

**Flood Control Project Maintenance  
Levee Inspections**  
**LMA District Cover Sheet**  
**Spring 2018 Levee Inspection Results**

**Reclamation District No. 2064 River Junction**

	Spring (March - May)	Summer ** (June - August)	Fall (September - November)	Winter ** (December - February)
† Overall LMA Rating (Fall Only)				

\*\* Non-receipt of Summer or Winter Inspection  
Reports may effect overall annual rating.

† SPRING INSPECTIONS: Overall maintenance ratings are not determined for the spring inspection results. Individual maintenance deficiencies are rated using the same criteria in the spring and in the fall.

FALL INSPECTIONS: The overall maintenance rating shown above is based on operation and maintenance deficiencies identified within the attached unit inspection reports. This rating is not intended to be an indication of risk.

Comments


**Flood Control Project Maintenance  
Levee Inspections**

**Unit Cover Sheet**

**Spring 2018 Levee Inspection Results**

**Reclamation District No. 2064 River Junction**

Waterway			Bank	Unit Miles
Unit No. 01 San Joaquin River			Right	5.56
	Spring (March - May)	Summer (June - August)	(September - November) Fall	Winter (December - February)
Unit Maintenance Rating (Fall Only)				
Date of Inspection	4/11/2018 - 4/11/2018			
DWR Inspector	Keith Millard			
Accompanied By	Mark Veltkamp RD 2064			
	Dan Eavenson			

**Summer & Winter Inspections**

The Local Maintaining Agency (LMA) is responsible for summer and winter inspections. The LMA is required to submit a report regarding summer and winter inspections to the California Department of Water Resources (DWR).

DWR must be informed on the:

- a) completion of the inspection
- b) any changes other than the results of normal maintenance
- c) corrections to deficiencies noted in this report

If additional items are noted, further documentation of those items must also be submitted.

The LMA should submit this information to DWR using the LMA web application tool available at:

<http://cdec.water.ca.gov/lma.html>

If the LMA is unable to submit information on this webpage, please contact DWR for assistance.

*The LMA should submit the information and any associated documentation by September 30 for summer inspections and March 31 for winter inspections.*

**Flood Control Project Maintenance  
Levee Inspections**

**Levee Inspection Report By Mile - Spring 2018**

**Reclamation District No. 2064 River Junction**

Waterway	Bank	Unit Miles	Inspection Start/End	Inspector
Unit No. 01 San Joaquin River	Right	5.56	04/11/2018 04/11/2018	Keith Millard

LM Start		Rating **	A	Issue No.	6
LM End		Issue Type +	Ma	Location *	
Category	Earthen Levee		GPS Latitude/Longitude		
			Start	End	
Item	Operations & Maintenance Manuals			°	°
				°	°
DWR ID	DWR_RD2064_01_f_2014_6				
Comment Code					
Inspector Comment					
District 2064 has the O&M Manual on hand.					

No Photos

LM Start		Rating **	A	Issue No.	7
LM End		Issue Type +	Ma	Location *	
Category	Earthen Levee		GPS Latitude/Longitude		
			Start	End	
Item	Emergency Supplies & Equipment			°	°
				°	°
DWR ID	DWR_RD2064_01_f_2014_7				
Comment Code					
Inspector Comment					
District has an adequate supply of flood fight materials in storage.					

No Photos

LM Start		Rating **	A	Issue No.	8
LM End		Issue Type +	Ma	Location *	
Category	Earthen Levee		GPS Latitude/Longitude		
			Start	End	
Item	Flood Preparedness & Training			°	°
				°	°
DWR ID	DWR_RD2064_01_f_2014_8				
Comment Code					
Inspector Comment					
District 2064 has been trained for flood fighting.					

No Photos

<b>* Location</b> LS : Land Side    N/A : Not Applicable WS : Water Side CR : Crown	<b>** Rating</b> A : Acceptable M : Minimally Acceptable U : Unacceptable	N : Not Inspected/Rated C : Corrected A/W : Acceptable but Monitor & Maintain	<b>+ Issue Type</b> Ma : Maintenance Deficiency Ob : Design & System Obsolescence En : Enforcement
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**Flood Control Project Maintenance  
Levee Inspections**

**Levee Inspection Report By Mile - Spring 2018**

**Reclamation District No. 2064 River Junction**

Waterway	Bank	Unit Miles	Inspection Start/End	Inspector
Unit No. 01 San Joaquin River	Right	5.56	04/11/2018 04/11/2018	Keith Millard

LM Start	0.06	Rating **	A/W	Issue No.	31
LM End	0.06	Issue Type +	Ma	Location *	
Category	Supplemental			GPS Latitude/Longitude	
				Start	End
Item	DWR UCIP LMA Responsibility			37.709804 °	37.709804 °
				-121.267559 °	-121.267559 °
DWR ID					
Comment Code					
Inspector Comment					
FS_ID:43603 DS_ID:20511 EP_NO: N/A Repair Type: No Action Needed Crossing Status: Found UCIP Comments: Debri removed from flap gate on waterside tow FIELD_STRUCT_DESC: 36-inch by 36-inch reinforced concrete box drainage culvert through the levee, 21 feet below the crown. Concrete U- shaped headwalls on both ends. Slide gate in a 6-foot by 7-foot concrete riser on the waterside (WS) slope. Flap gate on the WS end. Flashboard slots on the landside (LS) headwall. [Additional Reference(s): DWR Levee Log, 2005. USACE San Joaquin O&M Manual 3, December 1968, (HLM 0.07)]. FS Date: 3/2/2015					

LM Start	<b>0.06</b>	Rating **	A/W	Issue No.	<b>31 (cont)</b>
LM End	<b>0.06</b>	Issue Type +	Ma	Location *	

Photo 1 of 3 : UCIP\_SP\_2018\_43603\_31258.jpg



Slide gate in concrete riser on WS shoulder.

Photo 2 of 3 : UCIP\_SP\_2018\_43603\_31257.jpg



Flap gate and U shaped headwall on WS toe. Debris blocking closure of gate.

<b>* Location</b> LS : Land Side    N/A : Not Applicable WS : Water Side CR : Crown		<b>** Rating</b> A : Acceptable M : Minimally Acceptable U : Unacceptable N : Not Inspected/Rated C : Corrected A/W : Acceptable but Monitor & Maintain		<b>+ Issue Type</b> Ma : Maintenance Deficiency Ob : Design & System Obsolescence En : Enforcement
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**Flood Control Project Maintenance  
Levee Inspections**

**Levee Inspection Report By Mile - Spring 2018**

**Reclamation District No. 2064 River Junction**

Waterway	Bank	Unit Miles	Inspection Start/End	Inspector
Unit No. 01 San Joaquin River	Right	5.56	04/11/2018 04/11/2018	Keith Millard

LM Start	0.06	Rating **	A/W	Issue No.	31 (cont)
LM End	0.06	Issue Type +	Ma	Location *	
Category	Supplemental			GPS Latitude/Longitude	
				Start	End
Item	DWR UCIP LMA Responsibility			37.709804 °	37.709804 °
				-121.267559 °	-121.267559 °
DWR ID					
Comment Code					
Inspector Comment					
FS_ID:43603 DS_ID:20511 EP_NO: N/A Repair Type: No Action Needed Crossing Status: Found UCIP Comments: Debris removed from flap gate on waterside tow FIELD_STRUCT_DESC: 36-inch by 36-inch reinforced concrete box drainage culvert through the levee, 21 feet below the crown. Concrete U- shaped headwalls on both ends. Slide gate in a 6-foot by 7-foot concrete riser on the waterside (WS) slope. Flap gate on the WS end. Flashboard slots on the landside (LS) headwall. [Additional Reference(s): DWR Levee Log, 2005. USACE San Joaquin O&M Manual 3, December 1968, (HLM 0.07)]. FS Date: 3/2/2015					

Photo 3 of 3 : UCIP\_SP\_2018\_43603\_31256.jpg



Concrete headwall at inlet on LS toe.

LM Start	0.06	Rating **	M	Issue No.	32
LM End	0.06	Issue Type +	En	Location *	
Category	Supplemental			GPS Latitude/Longitude	
				Start	End
Item	DWR UCIP Field Study			37.709725 °	37.709725 °
				-121.267534 °	-121.267534 °
DWR ID					
Comment Code					
Inspector Comment					
FS_ID:18718 DS_ID:20512 EP_NO: 13907 Repair Type: Non-Urgent Crossing Status: Found UCIP Comments: This pipe has less than 1-foot of cover. FIELD_STRUCT_DESC: 1 of 3: 24-inch coated steel drainage discharge pipe through the levee, 2 feet below the crown. Two 100- horsepower and one 75-horsepower pumps on the landside (LS) toe. Siphon breaker on the waterside (WS) shoulder. (Permit No. 13907, 1985 - Reclamation District No. 2064). [Additional Reference(s): DWR Levee Log, 2005]. FS Date: 8/27/2013					

Photo 1 of 3 : UCIP\_SP\_2018\_18718\_31286.jpg



Steel storm drain pipe with pump on pier in background.

<b>* Location</b> LS : Land Side    N/A : Not Applicable WS : Water Side CR : Crown		<b>** Rating</b> A : Acceptable M : Minimally Acceptable U : Unacceptable N : Not Inspected/Rated C : Corrected A/W : Acceptable but Monitor & Maintain		<b>+ Issue Type</b> Ma : Maintenance Deficiency Ob : Design & System Obsolescence En : Enforcement
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**Flood Control Project Maintenance  
Levee Inspections**

**Levee Inspection Report By Mile - Spring 2018**

**Reclamation District No. 2064 River Junction**

Waterway	Bank	Unit Miles	Inspection Start/End	Inspector
Unit No. 01 San Joaquin River	Right	5.56	04/11/2018 04/11/2018	Keith Millard

LM Start	0.06	Rating **	M	Issue No.	32 (cont)	
LM End	0.06	Issue Type +	En	Location *		
Category	Supplemental			GPS Latitude/Longitude		
				Start		End
Item	DWR UCIP Field Study			37.709725 °		37.709725 °
				-121.267534 °		-121.267534 °
DWR ID						
Comment Code						
Inspector Comment						
FS_ID:18718						
DS_ID:20512						
EP_NO: 13907						
Repair Type: Non-Urgent						
Crossing Status: Found						
UCIP Comments: This pipe has less than 1-foot of cover.						
FIELD_STRUCT_DESC: 1 of 3: 24-inch coated steel drainage						
discharge pipe through the levee, 2 feet below the crown. Two 100-						
horsepower and one 75-horsepower pumps on the landside (LS) toe.						
Siphon breaker on the waterside (WS) shoulder. (Permit No. 13907,						
1985 - Reclamation District No. 2064). [Additional Reference(s): DWR						
Levee Log, 2005].						
FS Date: 8/27/2013						

LM Start	<b>0.06</b>	Rating **	M	Issue No.	<b>32 (cont)</b>
LM End	<b>0.06</b>	Issue Type +	En	Location *	

Photo 2 of 3 : UCIP\_SP\_2018\_18718\_31285.jpg



Pipe and siphon breaker visible on WS shoulder.

Photo 3 of 3 : UCIP\_SP\_2018\_18718\_31284.jpg



Pump on wooden pier on LS toe.

<b>* Location</b> LS : Land Side    N/A : Not Applicable WS : Water Side CR : Crown		<b>** Rating</b> A : Acceptable M : Minimally Acceptable U : Unacceptable N : Not Inspected/Rated C : Corrected A/W : Acceptable but Monitor & Maintain		<b>+ Issue Type</b> Ma : Maintenance Deficiency Ob : Design & System Obsolescence En : Enforcement
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**Flood Control Project Maintenance  
Levee Inspections**

**Levee Inspection Report By Mile - Spring 2018**

**Reclamation District No. 2064 River Junction**

Waterway	Bank	Unit Miles	Inspection Start/End	Inspector
Unit No. 01 San Joaquin River	Right	5.56	04/11/2018 04/11/2018	Keith Millard

LM Start	0.06	Rating **	M	Issue No.	33
LM End	0.06	Issue Type +	En	Location *	
Category	Supplemental			GPS Latitude/Longitude	
				Start	End
Item	DWR UCIP Field Study			37.709698 °	37.709698 °
				-121.267536 °	-121.267536 °
DWR ID					
Comment Code					
Inspector Comment					
FS_ID:22729 DS_ID:20527 EP_NO: 13907 Repair Type: Non-Urgent Crossing Status: Found UCIP Comments: This pipe has less than 1-foot of cover. FIELD_STRUCT_DESC: 2 of 3: 24-inch coated steel drainage discharge pipe through the levee, 2 feet below the crown. Two 100-horsepower and one 75-horsepower pumps on pier at the landside (LS) toe. Siphon breaker on the waterside (WS) shoulder. (Permit No. 13907, 1985 - Reclamation District No. 2064). [Additional Reference(s): DWR Levee Log, 2005]. FS Date: 8/27/2013					

LM Start	<b>0.06</b>	Rating **	M	Issue No.	<b>33 (cont)</b>
LM End	<b>0.06</b>	Issue Type +	En	Location *	

Photo 1 of 3 : UCIP\_SP\_2018\_22729\_38458.jpg



Pipe visible on LS.

Photo 2 of 3 : UCIP\_SP\_2018\_22729\_38457.jpg



Pipe and siphon breaker on WS shoulder.

<b>* Location</b> LS : Land Side    N/A : Not Applicable WS : Water Side CR : Crown		<b>** Rating</b> A : Acceptable M : Minimally Acceptable U : Unacceptable N : Not Inspected/Rated C : Corrected A/W : Acceptable but Monitor & Maintain		<b>+ Issue Type</b> Ma : Maintenance Deficiency Ob : Design & System Obsolescence En : Enforcement
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**Flood Control Project Maintenance  
Levee Inspections**

**Levee Inspection Report By Mile - Spring 2018**

**Reclamation District No. 2064 River Junction**

Waterway	Bank	Unit Miles	Inspection Start/End	Inspector
Unit No. 01 San Joaquin River	Right	5.56	04/11/2018 04/11/2018	Keith Millard

LM Start	0.06	Rating **	M	Issue No.	33 (cont)	
LM End	0.06	Issue Type +	En	Location *		
Category	Supplemental			GPS Latitude/Longitude		
				Start		End
Item	DWR UCIP Field Study			37.709698 °		37.709698 °
				-121.267536 °		-121.267536 °
DWR ID						
Comment Code						
Inspector Comment						
FS_ID:22729 DS_ID:20527 EP_NO: 13907 Repair Type: Non-Urgent Crossing Status: Found UCIP Comments: This pipe has less than 1-foot of cover. FIELD_STRUCT_DESC: 2 of 3: 24-inch coated steel drainage discharge pipe through the levee, 2 feet below the crown. Two 100-horsepower and one 75-horsepower pumps on pier at the landside (LS) toe. Siphon breaker on the waterside (WS) shoulder. (Permit No. 13907, 1985 - Reclamation District No. 2064). [Additional Reference(s): DWR Levee Log, 2005]. FS Date: 8/27/2013						

Photo 3 of 3 : UCIP\_SP\_2018\_22729\_38456.jpg



Pump on wooden pier at LS toe.

LM Start	0.06	Rating **	M	Issue No.	34
LM End	0.06	Issue Type +	En	Location *	
Category	Supplemental			GPS Latitude/Longitude	
				Start	End
Item	DWR UCIP Field Study			37.709672 °	37.709672 °
				-121.267532 °	-121.267532 °
DWR ID					
Comment Code					
Inspector Comment					
FS_ID:18720					
DS_ID:20528					
EP_NO: 13907					
Repair Type: Non-Urgent					
Crossing Status: Found					
UCIP Comments: This pipe has less than 1-foot of cover.					
FIELD_STRUCT_DESC: 3 of 3: 24-inch coated steel drainage					
discharge pipe through the levee, 1 foot below the crown. Two 100-					
horsepower and one 75-horsepower pumps on the landside (LS) toe.					
Siphon breaker on the waterside (WS) shoulder. (Permit No. 13907,					
1985 - Reclamation District No. 2064). [Additional Reference(s): DWR					
Levee Log, 2005].					
FS Date: 8/27/2013					

Photo 1 of 3 : UCIP\_SP\_2018\_18720\_31294.jpg



Steel pipe visible on LS.

* Location		** Rating		+ Issue Type	
LS : Land Side	N/A : Not Applicable	A : Acceptable	N : Not Inspected/Rated	Ma : Maintenance Deficiency	
WS : Water Side		M : Minimally Acceptable	C : Corrected	Ob : Design & System Obsolescence	
CR : Crown		U : Unacceptable	A/W : Acceptable but Monitor & Maintain	En : Enforcement	



**Flood Control Project Maintenance  
Levee Inspections**

**Levee Inspection Report By Mile - Spring 2018**

**Reclamation District No. 2064 River Junction**

Waterway	Bank	Unit Miles	Inspection Start/End	Inspector
Unit No. 01 San Joaquin River	Right	5.56	04/11/2018 04/11/2018	Keith Millard

LM Start	0.06	Rating **	M	Issue No.	34 (cont)	
LM End	0.06	Issue Type +	En	Location *		
Category	Supplemental			GPS Latitude/Longitude		
				Start		End
Item	DWR UCIP Field Study			37.709672 °		37.709672 °
				-121.267532 °		-121.267532 °
DWR ID						
Comment Code						
Inspector Comment						
FS_ID:18720						
DS_ID:20528						
EP_NO: 13907						
Repair Type: Non-Urgent						
Crossing Status: Found						
UCIP Comments: This pipe has less than 1-foot of cover.						
FIELD_STRUCT_DESC: 3 of 3: 24-inch coated steel drainage						
discharge pipe through the levee, 1 foot below the crown. Two 100-						
horsepower and one 75-horsepower pumps on the landside (LS) toe.						
Siphon breaker on the waterside (WS) shoulder. (Permit No. 13907,						
1985 - Reclamation District No. 2064). [Additional Reference(s): DWR						
Levee Log, 2005].						
FS Date: 8/27/2013						

Photo 2 of 3 : UCIP\_SP\_2018\_18720\_31293.jpg



Siphon breaker visible on WS shoulder.

LM Start	<b>0.06</b>	Rating **	M	Issue No.	<b>34 (cont)</b>
LM End	<b>0.06</b>	Issue Type +	En	Location *	

Photo 3 of 3 : UCIP\_SP\_2018\_18720\_31292.jpg



Pump on pier on LS.

<b>* Location</b> LS : Land Side    N/A : Not Applicable WS : Water Side CR : Crown		<b>** Rating</b> A : Acceptable M : Minimally Acceptable U : Unacceptable		N : Not Inspected/Rated C : Corrected A/W : Acceptable but Monitor & Maintain	<b>+ Issue Type</b> Ma : Maintenance Deficiency Ob : Design & System Obsolescence En : Enforcement
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**Flood Control Project Maintenance  
Levee Inspections**

**Levee Inspection Report By Mile - Spring 2018**

**Reclamation District No. 2064 River Junction**

Waterway	Bank	Unit Miles	Inspection Start/End	Inspector
Unit No. 01 San Joaquin River	Right	5.56	04/11/2018 04/11/2018	Keith Millard

LM Start	1.23	Rating **	M	Issue No.	35
LM End	1.23	Issue Type +	En	Location *	
Category	Supplemental			GPS Latitude/Longitude	
				Start	End
Item	DWR UCIP Field Study			37.695529 °	37.695529 °
				-121.270005 °	-121.270005 °
DWR ID					
Comment Code					
Inspector Comment					
FS_ID:40792 DS_ID:20533 EP_NO: N/A Repair Type: Non-Urgent Crossing Status: Found UCIP Comments: Pump and slant pipe missing from structure on WS slope. FIELD_STRUCT_DESC: 12-inch concrete encased steel irrigation pipe through the levee, 13 feet below the crown. Slant pump on the waterside (WS) toe. Slide gate in a 36-inch corrugated metal pipe (CMP) riser on the WS shoulder. 6-foot by 6-foot concrete distribution box and filter plant on the landside (LS) toe. 2-inch galvanized iron electrical conduit at the same location. [Additional Reference(s): DWR Levee Log, 2005. USACE San Joaquin O&M Manual 3, December 1968, (HLM 1.24)]. FS Date: 8/27/2013					

LM Start	<b>1.23</b>	Rating **	M	Issue No.	<b>35 (cont)</b>
LM End	<b>1.23</b>	Issue Type +	En	Location *	

Photo 1 of 3 : UCIP\_SP\_2018\_40792\_31377.jpg



Slide gate in CMP riser on WS shoulder.

Photo 2 of 3 : UCIP\_SP\_2018\_40792\_31376.jpg



Concrete distribution box and filter plant on LS toe.

<b>* Location</b> LS : Land Side    N/A : Not Applicable WS : Water Side CR : Crown		<b>** Rating</b> A : Acceptable M : Minimally Acceptable U : Unacceptable		N : Not Inspected/Rated C : Corrected A/W : Acceptable but Monitor & Maintain		<b>+ Issue Type</b> Ma : Maintenance Deficiency Ob : Design & System Obsolescence En : Enforcement	
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**Flood Control Project Maintenance  
Levee Inspections**

**Levee Inspection Report By Mile - Spring 2018**

**Reclamation District No. 2064 River Junction**

Waterway	Bank	Unit Miles	Inspection Start/End	Inspector
Unit No. 01 San Joaquin River	Right	5.56	04/11/2018 04/11/2018	Keith Millard

LM Start	1.23	Rating **	M	Issue No.	35 (cont)	
LM End	1.23	Issue Type +	En	Location *		
Category	Supplemental			GPS Latitude/Longitude		
				Start	End	
Item	DWR UCIP Field Study			37.695529 °	37.695529 °	
				-121.270005 °	-121.270005 °	
DWR ID						
Comment Code						
Inspector Comment						
FS_ID:40792 DS_ID:20533 EP_NO: N/A Repair Type: Non-Urgent Crossing Status: Found UCIP Comments: Pump and slant pipe missing from structure on WS slope. FIELD_STRUCT_DESC: 12-inch concrete encased steel irrigation pipe through the levee, 13 feet below the crown. Slant pump on the waterside (WS) toe. Slide gate in a 36-inch corrugated metal pipe (CMP) riser on the WS shoulder. 6-foot by 6-foot concrete distribution box and filter plant on the landside (LS) toe. 2-inch galvanized iron electrical conduit at the same location. [Additional Reference(s): DWR Levee Log, 2005. USACE San Joaquin O&M Manual 3, December 1968, (HLM 1.24)]. FS Date: 8/27/2013						

Photo 3 of 3 : UCIP\_SP\_2018\_40792\_31375.jpg



Pump and slant pipe missing from structure on WS slope.

<b>* Location</b> LS : Land Side    N/A : Not Applicable WS : Water Side CR : Crown	<b>** Rating</b> A : Acceptable M : Minimally Acceptable U : Unacceptable  N : Not Inspected/Rated C : Corrected A/W : Acceptable but Monitor & Maintain	<b>+ Issue Type</b> Ma : Maintenance Deficiency Ob : Design & System Obsolescence En : Enforcement
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**Flood Control Project Maintenance  
Levee Inspections**

**Levee Inspection Report By Mile - Spring 2018**

**Reclamation District No. 2064 River Junction**

Waterway	Bank	Unit Miles	Inspection Start/End	Inspector
Unit No. 01 San Joaquin River	Right	5.56	04/11/2018 04/11/2018	Keith Millard

LM Start	1.23	Rating **	U	Issue No.	36
LM End	1.23	Issue Type +	En	Location *	
Category	Supplemental			GPS Latitude/Longitude	
				Start	End
Item	DWR UCIP Field Study			37.695506 °	37.695506 °
				-121.269995 °	-121.269995 °
DWR ID					
Comment Code					
Inspector Comment					
FS_ID:51638 DS_ID:20524 EP_NO: 3739 Repair Type: Urgent Crossing Status: Found UCIP Comments: 11/16/2016 same as last inspection leak has created sink hole near concrete distribution box located on the LS. Hole in pipe is visible at sink hole. Need to contact owner to address leak on LS. Recommend an internal inspection be completed for the pipe through the levee to determine pipe integrity. (O. Magana - DWR UCIP)08/27/2013 Some leakage at connection between pipe and distro box on LS toe. This may indicate internal failure of pipe. (W. Wylie - DWR UCIP) FIELD_STRUCT_DESC: 16-inch coated steel irrigation pipe through the levee, 10.75 feet below the crown. 2-inch galvanized iron electrical conduit at the same location. Slant pump on the waterside (WS) toe. Slide gate in a 36-inch corrugated metal pipe (CMP) riser on the WS shoulder. 6-foot by 6-foot concrete distribution box and filter plant on the landside (LS) toe. (16-inch pipe authorized under Permit No. 3739, 1961 - Mortensen and Barker). FS Date: 11/16/2016					

LM Start	<b>1.23</b>	Rating **	U	Issue No.	<b>36 (cont)</b>
LM End	<b>1.23</b>	Issue Type +	En	Location *	

Photo 1 of 3 : UCIP\_SP\_2018\_51638\_38462.jpg



Slant pump on WS toe. Slide gate in 36-inch CMP riser on WS shoulder.

Photo 2 of 3 : UCIP\_SP\_2018\_51638\_38461.jpg



Concrete distribution box on LS toe with filter plant.

* Location LS : Land Side    N/A : Not Applicable WS : Water Side CR : Crown		** Rating A : Acceptable M : Minimally Acceptable U : Unacceptable N : Not Inspected/Rated C : Corrected A/W : Acceptable but Monitor & Maintain		+ Issue Type Ma : Maintenance Deficiency Ob : Design & System Obsolescence En : Enforcement
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**Flood Control Project Maintenance  
Levee Inspections**

**Levee Inspection Report By Mile - Spring 2018**

**Reclamation District No. 2064 River Junction**

Waterway	Bank	Unit Miles	Inspection Start/End	Inspector
Unit No. 01 San Joaquin River	Right	5.56	04/11/2018 04/11/2018	Keith Millard

LM Start	1.23	Rating **	U	Issue No.	36 (cont)	
LM End	1.23	Issue Type +	En	Location *		
Category	Supplemental			GPS Latitude/Longitude		
				Start		End
Item	DWR UCIP Field Study			37.695506 °		37.695506 °
				-121.269995 °		-121.269995 °
DWR ID						
Comment Code						
Inspector Comment						
FS_ID:51638 DS_ID:20524 EP_NO: 3739 Repair Type: Urgent Crossing Status: Found UCIP Comments: 11/16/2016 same as last inspection leak has created sink hole near concrete distribution box located on the LS. Hole in pipe is visible at sink hole. Need to contact owner to address leak on LS. Recommend an internal inspection be completed for the pipe through the levee to determine pipe integrity. (O. Magana - DWR UCIP)08/27/2013 Some leakage at connection between pipe and distro box on LS toe. This may indicate internal failure of pipe. (W. Wylie - DWR UCIP) FIELD_STRUCT_DESC: 16-inch coated steel irrigation pipe through the levee, 10.75 feet below the crown. 2-inch galvanized iron electrical conduit at the same location. Slant pump on the waterside (WS) toe. Slide gate in a 36-inch corrugated metal pipe (CMP) riser on the WS shoulder. 6-foot by 6-foot concrete distribution box and filter plant on the landside (LS) toe. (16-inch pipe authorized under Permit No. 3739, 1961 - Mortensen and Barker). FS Date: 11/16/2016						

Photo 3 of 3 : UCIP\_SP\_2018\_51638\_38460.jpg



Leakage along pipe alignment on LS toe.

<b>* Location</b> LS : Land Side    N/A : Not Applicable WS : Water Side CR : Crown		<b>** Rating</b> A : Acceptable M : Minimally Acceptable U : Unacceptable N : Not Inspected/Rated C : Corrected A/W : Acceptable but Monitor & Maintain		<b>+ Issue Type</b> Ma : Maintenance Deficiency Ob : Design & System Obsolescence En : Enforcement
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**Flood Control Project Maintenance  
Levee Inspections**

**Levee Inspection Report By Mile - Spring 2018**

**Reclamation District No. 2064 River Junction**

Waterway	Bank	Unit Miles	Inspection Start/End	Inspector
Unit No. 01 San Joaquin River	Right	5.56	04/11/2018 04/11/2018	Keith Millard

LM Start	1.65	Rating **	A/W	Issue No.	37
LM End	1.65	Issue Type +	Ma	Location *	
Category	Supplemental			GPS Latitude/Longitude	
				Start	End
Item	DWR UCIP LMA Responsibility			37.690072 °	37.690072 °
				-121.269823 °	-121.269823 °
DWR ID					
Comment Code					
Inspector Comment					
FS_ID:18748 DS_ID:20514 EP_NO: N/A Repair Type: No Action Needed Crossing Status: Found UCIP Comments: FIELD_STRUCT_DESC: 30-inch by 30-inch reinforced concrete box drainage culvert through the levee, 15 feet below the crown. Slide gate in a concrete riser on the waterside (WS) shoulder. Concrete U-shaped headwalls on both ends. Flap gate on the WS end. [Additional Reference(s): DWR Levee Log, 2005. USACE San Joaquin O&M Manual 3, December 1968, (HLM 1.65)]. FS Date: 8/27/2013					

LM Start	<b>1.65</b>	Rating **	A/W	Issue No.	<b>37 (cont)</b>
LM End	<b>1.65</b>	Issue Type +	Ma	Location *	

Photo 1 of 3 : UCIP\_SP\_2018\_18748\_31380.jpg



Concrete headwall on LS toe.

Photo 2 of 3 : UCIP\_SP\_2018\_18748\_31379.jpg



Slide gate in concrete vault on WS shoulder.

<b>* Location</b> LS : Land Side    N/A : Not Applicable WS : Water Side CR : Crown	<b>** Rating</b> A : Acceptable M : Minimally Acceptable U : Unacceptable	N : Not Inspected/Rated C : Corrected A/W : Acceptable but Monitor & Maintain	<b>+ Issue Type</b> Ma : Maintenance Deficiency Ob : Design & System Obsolescence En : Enforcement
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**Flood Control Project Maintenance  
Levee Inspections**

**Levee Inspection Report By Mile - Spring 2018**

**Reclamation District No. 2064 River Junction**

Waterway	Bank	Unit Miles	Inspection Start/End	Inspector
Unit No. 01 San Joaquin River	Right	5.56	04/11/2018 04/11/2018	Keith Millard

LM Start	1.94	Rating **	M	Issue No.	38 (cont)	
LM End	1.94	Issue Type +	Ma	Location *		
Category	Supplemental			GPS Latitude/Longitude		
				Start	End	
Item	DWR UCIP LMA Responsibility			37.689900 °	37.689900 °	
				-121.264802 °	-121.264802 °	
DWR ID						
Comment Code						
Inspector Comment						
FS_ID:18763 DS_ID:20515 EP_NO: N/A Repair Type: Non-Urgent Crossing Status: Found UCIP Comments: Culvert filled nearly to the top with soil. FIELD_STRUCT_DESC: 30-inch by 30-inch reinforced concrete box drainage culvert through the levee, 14.7 feet below the crown. Slide gate in a concrete riser on the waterside (WS) slope. Concrete U-shaped headwalls on both ends. Flap gate on the WS end. [Additional Reference(s): DWR Levee Log, 2005. USACE San Joaquin O&M Manual 3, December 1968, (HLM 1.93)]. FS Date: 8/27/2013						

Photo 2 of 3 : UCIP\_SP\_2018\_18763\_31401.jpg



Concrete U-shaped headwall on LS toe.

LM Start	<b>1.94</b>	Rating **	M	Issue No.	<b>38 (cont)</b>
LM End	<b>1.94</b>	Issue Type +	Ma	Location *	

Photo 3 of 3 : UCIP\_SP\_2018\_18763\_31400.jpg



Concrete U-shaped headwall on LS toe.

<b>* Location</b> LS : Land Side    N/A : Not Applicable WS : Water Side CR : Crown	<b>** Rating</b> A : Acceptable M : Minimally Acceptable U : Unacceptable	N : Not Inspected/Rated C : Corrected A/W : Acceptable but Monitor & Maintain	<b>+ Issue Type</b> Ma : Maintenance Deficiency Ob : Design & System Obsolescence En : Enforcement
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**Flood Control Project Maintenance  
Levee Inspections**

**Levee Inspection Report By Mile - Spring 2018**

**Reclamation District No. 2064 River Junction**

Waterway	Bank	Unit Miles	Inspection Start/End	Inspector
Unit No. 01 San Joaquin River	Right	5.56	04/11/2018 04/11/2018	Keith Millard

LM Start	3.00	Rating **	C	Issue No.	21	
LM End	3.00	Issue Type +	Ma	Location *		
Category	Supplemental			GPS Latitude/Longitude		
				Start	End	
Item	2017 Storm Damage			37.680572 °	37.680572 °	
				-121.258430 °	-121.258433 °	
DWR ID	DWR_RD2064_01_f_2017_21					
Comment Code						
Inspector Comment						
Levee Evaluation Comments						
Description:						
Site ID No:78						
Site Designation:LMA-32						
Repair Type: Erosion						
Rating:Area of Concern						
Field Date:6/8/2017						
Notes: minor erosion on ws, not within levee prism, no action required						

No Photos

LM Start	3.26	Rating **	A/W	Issue No.	22
LM End	3.39	Issue Type +	Ma	Location *	
Category	Supplemental			GPS Latitude/Longitude	
				Start	End
Item	2017 Storm Damage			37.679100 °	37.677800 °
				-121.262600 °	-121.264400 °
DWR ID	DWR_RD2064_01_f_2017_22				
Comment Code					
Inspector Comment					
Levee Evaluation Comments					
Description:Erosion from high water flows caused erosion scarps from 12" to 30" in height. The area of damage is approximately 400 feet in length.					
Site ID No:582					
Site Designation:LMA-488					
Repair Type: Erosion					
Rating:Serious					
Field Date:8/14/2017					
Notes:					

Photo 1 of 3 : SP\_2018\_RD2064\_313\_22\_20180329\_00005.jpg



* Location		** Rating		+ Issue Type	
LS : Land Side	N/A : Not Applicable	A : Acceptable	N : Not Inspected/Rated	Ma : Maintenance Deficiency	
WS : Water Side		M : Minimally Acceptable	C : Corrected	Ob : Design & System Obsolescence	
CR : Crown		U : Unacceptable	A/W : Acceptable but Monitor & Maintain	En : Enforcement	

**Flood Control Project Maintenance  
Levee Inspections**

**Levee Inspection Report By Mile - Spring 2018**

**Reclamation District No. 2064 River Junction**

Waterway	Bank	Unit Miles	Inspection Start/End	Inspector
Unit No. 01 San Joaquin River	Right	5.56	04/11/2018 04/11/2018	Keith Millard

LM Start	3.26	Rating **	A/W	Issue No.	22 (cont)
LM End	3.39	Issue Type +	Ma	Location *	
Category	Supplemental			GPS Latitude/Longitude	
				Start	End
Item	2017 Storm Damage			37.679100°	37.677800°
				-121.262600°	-121.264400°
DWR ID	DWR_RD2064_01_f_2017_22				
Comment Code					
Inspector Comment					
Levee Evaluation Comments					
Description:Erosion from high water flows caused erosion scarps from 12" to 30" in height. The area of damage is approximately 400 feet in length.					
Site ID No:582					
Site Designation:LMA-488					
Repair Type: Erosion					
Rating:Serious					
Field Date:8/14/2017					
Notes:					

Photo 2 of 3 : SP\_2018\_RD2064\_313\_22\_20180329\_00006.jpg



Photo 3 of 3 : SP\_2018\_RD2064\_313\_22\_20180329\_00007.jpg



<b>* Location</b> LS : Land Side    N/A : Not Applicable WS : Water Side CR : Crown		<b>** Rating</b> A : Acceptable M : Minimally Acceptable U : Unacceptable N : Not Inspected/Rated C : Corrected A/W : Acceptable but Monitor & Maintain		<b>+ Issue Type</b> Ma : Maintenance Deficiency Ob : Design & System Obsolescence En : Enforcement
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**Flood Control Project Maintenance  
Levee Inspections**

**Levee Inspection Report By Mile - Spring 2018**

**Reclamation District No. 2064 River Junction**

Waterway	Bank	Unit Miles	Inspection Start/End	Inspector
Unit No. 01 San Joaquin River	Right	5.56	04/11/2018 04/11/2018	Keith Millard

LM Start	3.31	Rating **	A/W	Issue No.	10
LM End	3.45	Issue Type +	Ma	Location *	LS
Category	Earthen Levee			GPS Latitude/Longitude	
				Start	End
Item	Animal Control			37.678708 °	37.676786 °
				-121.263415 °	-121.264207 °
DWR ID	DWR_RD2064_01_f_2017_10				
Comment Code					
A1 : Exterminate rodents and backfill and compact or grout burrows.					
Inspector Comment					
Significant baiting has greatly reduced rodent activity. Two small borrow/mounds observed. Control program should continue due to nearby slash pile.					

Photo 1 of 1 : SP\_2018\_RD2064\_313\_10\_20180411\_00069.jpg



View of former landside rodent area and slash pile in distance. Rodent control program has largely mitigated the problem, but should continue.

LM Start	3.46	Rating **	M	Issue No.	39
LM End	3.46	Issue Type +	En	Location *	
Category	Supplemental			GPS Latitude/Longitude	
				Start	End
Item	DWR UCIP Field Study			37.676751 °	37.676751 °
				-121.264193 °	-121.264193 °
DWR ID					
Comment Code					
Inspector Comment					
FS_ID:22731 DS_ID:20517 EP_NO: N/A Repair Type: Non-Urgent Crossing Status: Indicator Found UCIP Comments: Neet to verify status of pipeline. FIELD_STRUCT_DESC: Underground gas line crossing; depth through the levee and size unknown. Found possible sign posts on WS toe. FS Date: 8/27/2013					

Photo 1 of 1 : UCIP\_SP\_2018\_22731\_38463.jpg



Possible sign posts on WS toe.

* Location LS : Land Side    N/A : Not Applicable WS : Water Side CR : Crown		** Rating A : Acceptable M : Minimally Acceptable U : Unacceptable N : Not Inspected/Rated C : Corrected A/W : Acceptable but Monitor & Maintain		+ Issue Type Ma : Maintenance Deficiency Ob : Design & System Obsolescence En : Enforcement	
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**Flood Control Project Maintenance  
Levee Inspections**

**Levee Inspection Report By Mile - Spring 2018**

**Reclamation District No. 2064 River Junction**

Waterway	Bank	Unit Miles	Inspection Start/End	Inspector
Unit No. 01 San Joaquin River	Right	5.56	04/11/2018 04/11/2018	Keith Millard

LM Start	3.49	Rating **	M	Issue No.	40
LM End	3.49	Issue Type +	En	Location *	
Category	Supplemental			GPS Latitude/Longitude	
				Start	End
Item	DWR UCIP Field Study			37.676276 °	37.676276 °
				-121.264104 °	-121.264104 °
DWR ID					
Comment Code					
Inspector Comment					
FS_ID:22085 DS_ID:24059 EP_NO: N/A Repair Type: Non-Urgent Crossing Status: Found UCIP Comments: Unable to identify purpose or permit for this crossing. FIELD_STRUCT_DESC: 1 of 2: 4-inch galvanized iron conduit of an unknown purpose through the levee, at an unknown depth. Visible on downstream side of the bridge. 3.5-foot by 6-foot steel vault on crown. FS Date: 8/27/2013					

Photo 1 of 1 : UCIP\_SP\_2018\_22085\_37702.jpg



Upper conduit visible on DS side of bridge.

LM Start	3.49	Rating **	M	Issue No.	41
LM End	3.49	Issue Type +	En	Location *	
Category	Supplemental			GPS Latitude/Longitude	
				Start	End
Item	DWR UCIP Field Study			37.676276 °	37.676276 °
				-121.264104 °	-121.264104 °
DWR ID					
Comment Code					
Inspector Comment					
FS_ID:22790 DS_ID:24060 EP_NO: N/A Repair Type: Non-Urgent Crossing Status: Found UCIP Comments: Unable to identify purpose or permit for this crossing. FIELD_STRUCT_DESC: 2 of 2: 4-inch galvanized iron conduit through the levee at unknown depth below the crown. Visible on downstream side of the bridge. 3.5-foot by 6-foot steel vault on crown. FS Date: 8/27/2013					

Photo 1 of 1 : UCIP\_SP\_2018\_22790\_38826.jpg



Lower conduit visible on DS side of bridge at WS slope.

<b>* Location</b> LS : Land Side    N/A : Not Applicable WS : Water Side CR : Crown	<b>** Rating</b> A : Acceptable M : Minimally Acceptable U : Unacceptable	N : Not Inspected/Rated C : Corrected A/W : Acceptable but Monitor & Maintain	<b>+ Issue Type</b> Ma : Maintenance Deficiency Ob : Design & System Obsolescence En : Enforcement
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**Flood Control Project Maintenance  
Levee Inspections**

**Levee Inspection Report By Mile - Spring 2018**

**Reclamation District No. 2064 River Junction**

Waterway	Bank	Unit Miles	Inspection Start/End	Inspector
Unit No. 01 San Joaquin River	Right	5.56	04/11/2018 04/11/2018	Keith Millard

LM Start	3.57	Rating **	M	Issue No.	42
LM End	3.57	Issue Type +	En	Location *	
Category	Supplemental			GPS Latitude/Longitude	
				Start	End
Item	DWR UCIP Field Study			37.675267 °	37.675267 °
				-121.263426 °	-121.263426 °
DWR ID					
Comment Code					
Inspector Comment					
FS_ID:19044					
DS_ID:20519					
EP_NO: 6450					
Repair Type: Non-Urgent					
Crossing Status: Found					
UCIP Comments: Appears abandoned and if so should be done so properly.					
FIELD_STRUCT_DESC: *ABANDONED* 18-inch steel discharge pipe through the levee, 2 feet below the crown. Crown roadway padded over the pipe. Pipe exposed on both slopes. Gate valve on the landside (LS) toe. Pump missing from sump with sheet pile siding in ditch on the LS. Siphon breaker on the waterside (WS). (Permit No. 6450, 1969 - Reclamation District No. 2064). [Additional Reference(s): DWR Levee Log, 2005].					
FS Date: 8/27/2013					

LM Start	<b>3.57</b>	Rating **	M	Issue No.	<b>42 (cont)</b>
LM End	<b>3.57</b>	Issue Type +	En	Location *	

Photo 1 of 3 : UCIP\_SP\_2018\_19044\_31844.jpg



Pipe and gate valve on LS toe.

Photo 2 of 3 : UCIP\_SP\_2018\_19044\_31843.jpg



Pipe visible at sump off LS toe. No pump or appurtenances.

<b>* Location</b> LS : Land Side    N/A : Not Applicable WS : Water Side CR : Crown		<b>** Rating</b> A : Acceptable M : Minimally Acceptable U : Unacceptable		N : Not Inspected/Rated C : Corrected A/W : Acceptable but Monitor & Maintain		<b>+ Issue Type</b> Ma : Maintenance Deficiency Ob : Design & System Obsolescence En : Enforcement	
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**Flood Control Project Maintenance  
Levee Inspections**

**Levee Inspection Report By Mile - Spring 2018**

**Reclamation District No. 2064 River Junction**

Waterway	Bank	Unit Miles	Inspection Start/End	Inspector
Unit No. 01 San Joaquin River	Right	5.56	04/11/2018 04/11/2018	Keith Millard

LM Start	3.57	Rating **	M	Issue No.	42 (cont)	
LM End	3.57	Issue Type +	En	Location *		
Category	Supplemental			GPS Latitude/Longitude		
				Start	End	
Item	DWR UCIP Field Study			37.675267 °	37.675267 °	
				-121.263426 °	-121.263426 °	
DWR ID						
Comment Code						
Inspector Comment						
FS_ID:19044 DS_ID:20519 EP_NO: 6450 Repair Type: Non-Urgent Crossing Status: Found UCIP Comments: Appears abandoned and if so should be done so properly. FIELD_STRUCT_DESC: *ABANDONED* 18-inch steel discharge pipe through the levee, 2 feet below the crown. Crown roadway padded over the pipe. Pipe exposed on both slopes. Gate valve on the landside (LS) toe. Pump missing from sump with sheet pile siding in ditch on the LS. Siphon breaker on the waterside (WS). (Permit No. 6450, 1969 - Reclamation District No. 2064). [Additional Reference(s): DWR Levee Log, 2005]. FS Date: 8/27/2013						

Photo 3 of 3 : UCIP\_SP\_2018\_19044\_31842.jpg



Gate valve on LS toe.

LM Start	3.57	Rating **	M	Issue No.	43
LM End	3.57	Issue Type +	Ma	Location *	
Category	Supplemental			GPS Latitude/Longitude	
				Start	End
Item	DWR UCIP LMA Responsibility			37.675266 °	37.675266 °
				-121.263421 °	-121.263421 °
DWR ID					
Comment Code					
Inspector Comment					
FS_ID:22732 DS_ID:20525 EP_NO: N/A Repair Type: Non-Urgent Crossing Status: Found UCIP Comments: Need to determine if pipe was actually removed from levee. FIELD_STRUCT_DESC: 12-inch steel drainage pipe through the levee, at an unknown depth. Steel plate welded over the landside (LS) end at the LS toe. (Permit No. 6450, 1969 - Reclamation District No. 2064, states it was removed in 1973, but it remains visible on the LS toe). [Additional Reference(s): USACE San Joaquin O&M Manual 3, December 1968, (HLM 3.55)]. FS Date: 8/27/2013					

Photo 1 of 2 : UCIP\_SP\_2018\_22732\_38465.jpg



Pipe visible on LS toe.

<b>* Location</b> LS : Land Side    N/A : Not Applicable WS : Water Side CR : Crown		<b>** Rating</b> A : Acceptable M : Minimally Acceptable U : Unacceptable N : Not Inspected/Rated C : Corrected A/W : Acceptable but Monitor & Maintain		<b>+ Issue Type</b> Ma : Maintenance Deficiency Ob : Design & System Obsolescence En : Enforcement
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**Flood Control Project Maintenance  
Levee Inspections**

**Levee Inspection Report By Mile - Spring 2018**

**Reclamation District No. 2064 River Junction**

Waterway	Bank	Unit Miles	Inspection Start/End	Inspector
Unit No. 01 San Joaquin River	Right	5.56	04/11/2018 04/11/2018	Keith Millard

LM Start	3.57	Rating **	M	Issue No.	43 (cont)	
LM End	3.57	Issue Type +	Ma	Location *		
Category	Supplemental			GPS Latitude/Longitude		
				Start	End	
Item	DWR UCIP LMA Responsibility			37.675266 °	37.675266 °	
				-121.263421 °	-121.263421 °	
DWR ID						
Comment Code						
Inspector Comment						
FS_ID:22732 DS_ID:20525 EP_NO: N/A Repair Type: Non-Urgent Crossing Status: Found UCIP Comments: Need to determine if pipe was actually removed from levee. FIELD_STRUCT_DESC: 12-inch steel drainage pipe through the levee, at an unknown depth. Steel plate welded over the landside (LS) end at the LS toe. (Permit No. 6450, 1969 - Reclamation District No. 2064, states it was removed in 1973, but it remains visible on the LS toe). [Additional Reference(s): USACE San Joaquin O&M Manual 3, December 1968, (HLM 3.55)]. FS Date: 8/27/2013						

Photo 2 of 2 : UCIP\_SP\_2018\_22732\_38464.jpg



Pipe with welded steel plate over LS end at LS toe.

LM Start	3.57	Rating **	M	Issue No.	44
LM End	3.57	Issue Type +	En	Location *	
Category	Supplemental			GPS Latitude/Longitude	
				Start	End
Item	DWR UCIP Field Study			37.675247 °	37.675247 °
				-121.263398 °	-121.263398 °
DWR ID					
Comment Code					
Inspector Comment					
FS_ID:22733 DS_ID:20522 EP_NO: 13609 Repair Type: Non-Urgent Crossing Status: Found UCIP Comments: Appears abandoned and should be done so properly. Pipe was to be removed in 1984. FIELD_STRUCT_DESC: *ABANDONED* 1 of 2: 24-inch steel discharge pipe through the levee, 2 feet below the crown. Approximately 420 feet upstream of Durham Ferry-Airport Way Road. (Permit No. 13609, 1983 - Reclamation District No. 2064). FS Date: 8/27/2013					

Photo 1 of 3 : UCIP\_SP\_2018\_22733\_38468.jpg



Pipe and vent visible on LS slope.

<b>* Location</b> LS : Land Side    N/A : Not Applicable WS : Water Side CR : Crown		<b>** Rating</b> A : Acceptable                      N : Not Inspected/Rated M : Minimally Acceptable        C : Corrected U : Unacceptable                  A/W : Acceptable but Monitor & Maintain		<b>+ Issue Type</b> Ma : Maintenance Deficiency Ob : Design & System Obsolescence En : Enforcement
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**Flood Control Project Maintenance  
Levee Inspections**

**Levee Inspection Report By Mile - Spring 2018**

**Reclamation District No. 2064 River Junction**

Waterway	Bank	Unit Miles	Inspection Start/End	Inspector
Unit No. 01 San Joaquin River	Right	5.56	04/11/2018 04/11/2018	Keith Millard

LM Start	3.57	Rating **	M	Issue No.	44 (cont)	
LM End	3.57	Issue Type +	En	Location *		
Category	Supplemental			GPS Latitude/Longitude		
				Start	End	
Item	DWR UCIP Field Study			37.675247 °	37.675247 °	
				-121.263398 °	-121.263398 °	
DWR ID						
Comment Code						
Inspector Comment						
FS_ID:22733						
DS_ID:20522						
EP_NO: 13609						
Repair Type: Non-Urgent						
Crossing Status: Found						
UCIP Comments: Appears abandoned and should be done so properly. Pipe was to be removed in 1984.						
FIELD_STRUCT_DESC: *ABANDONED* 1 of 2: 24-inch steel discharge pipe through the levee, 2 feet below the crown.						
Approximately 420 feet upstream of Durham Ferry-Airport Way Road.						
(Permit No. 13609, 1983 - Reclamation District No. 2064).						
FS Date: 8/27/2013						

LM Start	<b>3.57</b>	Rating **	M	Issue No.	<b>44 (cont)</b>
LM End	<b>3.57</b>	Issue Type +	En	Location *	

Photo 2 of 3 : UCIP\_SP\_2018\_22733\_38467.jpg



Pipe visible on WS slope.

Photo 3 of 3 : UCIP\_SP\_2018\_22733\_38466.jpg



Pipe open at pump sump off LS toe.

<b>* Location</b> LS : Land Side    N/A : Not Applicable WS : Water Side CR : Crown		<b>** Rating</b> A : Acceptable M : Minimally Acceptable U : Unacceptable N : Not Inspected/Rated C : Corrected A/W : Acceptable but Monitor & Maintain		<b>+ Issue Type</b> Ma : Maintenance Deficiency Ob : Design & System Obsolescence En : Enforcement
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**Flood Control Project Maintenance  
Levee Inspections**

**Levee Inspection Report By Mile - Spring 2018**

**Reclamation District No. 2064 River Junction**

Waterway	Bank	Unit Miles	Inspection Start/End	Inspector
Unit No. 01 San Joaquin River	Right	5.56	04/11/2018 04/11/2018	Keith Millard

LM Start	3.60	Rating **	M	Issue No.	45
LM End	3.60	Issue Type +	En	Location *	
Category	Supplemental			GPS Latitude/Longitude	
				Start	End
Item	DWR UCIP Field Study			37.675005 °	37.675005 °
				-121.263103 °	-121.263103 °
DWR ID					
Comment Code					
Inspector Comment					
FS_ID:19046					
DS_ID:20534					
EP_NO: 13609					
Repair Type: Non-Urgent					
Crossing Status: Indicator Found					
UCIP Comments: Pipes should be abandoned properly.					
FIELD_STRUCT_DESC: *REMOVED* 2 of 2: 24-inch steel drainage pipe through the levee, 12.67 feet below the crown. Approximately 75 feet upstream of first 24-inch pipe. According to notes in permit, concrete rubble was placed over the pipe on the waterside (WS) slope. (Permit No. 13609, 1983 - Reclamation District No. 2064).					
FS Date: 8/27/2013					

LM Start	<b>3.60</b>	Rating **	M	Issue No.	<b>45 (cont)</b>
LM End	<b>3.60</b>	Issue Type +	En	Location *	

Photo 1 of 2 : UCIP\_SP\_2018\_19046\_31849.jpg



Concrete rubble on WS slope possible indicator of abandoned pipe location.

Photo 2 of 2 : UCIP\_SP\_2018\_19046\_31848.jpg



Concrete rubble on WS slope possible indicator of abandoned pipe location.

<b>* Location</b> LS : Land Side    N/A : Not Applicable WS : Water Side CR : Crown	<b>** Rating</b> A : Acceptable M : Minimally Acceptable U : Unacceptable	N : Not Inspected/Rated C : Corrected A/W : Acceptable but Monitor & Maintain	<b>+ Issue Type</b> Ma : Maintenance Deficiency Ob : Design & System Obsolescence En : Enforcement
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**Flood Control Project Maintenance  
Levee Inspections**

**Levee Inspection Report By Mile - Spring 2018**

**Reclamation District No. 2064 River Junction**

Waterway	Bank	Unit Miles	Inspection Start/End	Inspector
Unit No. 01 San Joaquin River	Right	5.56	04/11/2018 04/11/2018	Keith Millard

LM Start	3.92	Rating **	A/W	Issue No.	24
LM End	4.03	Issue Type +	Ob	Location *	
Category	Supplemental			GPS Latitude/Longitude	
				Start	End
Item	2017 Storm Damage			37.673190 °	37.672180 °
				-121.258140 °	-121.256490 °
DWR ID	DWR_RD2064_01_f_2017_24				
Comment Code					
Inspector Comment					
Levee Evaluation Comments					
Description:The damaged area is due to extensive seepage occurring from high river flows, especially when the water level is above 25.0' at the Vernalis Gauge. The damage is from long term saturated soil within the levee structure beyond the landside toe. This area is an extension of a seepage berm placed on an emergency work order in February 2017.					
Site ID No:581					
Site Designation:LMA-487					
Repair Type: Seepage					
Rating:Area of Concern					
Field Date:8/14/2017					
Notes:					

Photo 1 of 3 : SP\_2018\_RD2064\_313\_24\_20180329\_00008.jpg



LM Start	<b>3.92</b>	Rating **	A/W	Issue No.	<b>24 (cont)</b>
LM End	<b>4.03</b>	Issue Type +	Ob	Location *	

Photo 2 of 3 : SP\_2018\_RD2064\_313\_24\_20180329\_00009.jpg



<b>* Location</b> LS : Land Side    N/A : Not Applicable WS : Water Side CR : Crown	<b>** Rating</b> A : Acceptable M : Minimally Acceptable U : Unacceptable	N : Not Inspected/Rated C : Corrected A/W : Acceptable but Monitor & Maintain	<b>+ Issue Type</b> Ma : Maintenance Deficiency Ob : Design & System Obsolescence En : Enforcement
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## Levee Inspection Report By Mile - Spring 2018

Waterway	Bank	Unit Miles	Inspection Start/End	Inspector
Unit No. 01 San Joaquin River	Right	5.56	04/11/2018 04/11/2018	Keith Millard

Photo 3 of 3 : SP\_2018\_RD2064\_313\_24\_20180329\_00010.jpg

A photograph showing a dirt road or construction site. On the left, a white pickup truck is parked with its driver-side door open. Another vehicle is partially visible behind it. The road is unpaved, composed of dirt and gravel, and stretches into the distance. To the right of the road is a line of trees and vegetation. The sky is blue with some light clouds. The photo is labeled 'Photo 3 of 3 : SP\_2018\_RD2064\_313\_24\_20180329\_00010.jpg' at the top.

Photo 1 of 2 : UCIP\_SP\_2018\_19063\_31861.jpg



09/27/2018 12:35

Concrete distribution box remains in center of structure on LS toe.

Thursday, May 31, 2018 11:04 **FINAL DATA** Page 25 of 29

**Flood Control Project Maintenance  
Levee Inspections**

**Levee Inspection Report By Mile - Spring 2018**

**Reclamation District No. 2064 River Junction**

Waterway	Bank	Unit Miles	Inspection Start/End	Inspector
Unit No. 01 San Joaquin River	Right	5.56	04/11/2018 04/11/2018	Keith Millard

LM Start	4.72	Rating **	M	Issue No.	46 (cont)	
LM End	4.72	Issue Type +	En	Location *		
Category	Supplemental			GPS Latitude/Longitude		
				Start	End	
Item	DWR UCIP Field Study			37.670161 °	37.670161 °	
				-121.246973 °	-121.246973 °	
DWR ID						
Comment Code						
Inspector Comment						
FS_ID:19063 DS_ID:20520 EP_NO: 3359 Repair Type: Non-Urgent Crossing Status: Indicator Found UCIP Comments: Pipe not found. Need to determine disposition of pipe as all other appurtances remain. FIELD_STRUCT_DESC: 1 of 2: 24-inch irrigation pipe of an unknown material through the levee, 3.5 feet below the crown. Pump mounted on pipe structure in the river. Protective fender in the stream. Wooden walkway to the pump structure. Siphon breaker on the landside (LS). (Permit No. 3359, 1960 - Cook Land and Cattle Company). [Additional Reference(s): DWR Levee Log, 2005. USACE San Joaquin O&M Manual 3, December 1968, (HLM 4.69)]. FS Date: 8/27/2013						

Photo 2 of 2 : UCIP\_SP\_2018\_19063\_31860.jpg



Pump platform, walkway, and fender remain in stream. No 24-inch pipe found.

LM Start	4.72	Rating **	M	Issue No.	47	
LM End	4.72	Issue Type +	En	Location *		
Category	Supplemental			GPS Latitude/Longitude		
				Start	End	
Item	DWR UCIP Field Study			37.670161 °	37.670161 °	
				-121.246973 °	-121.246973 °	
DWR ID						
Comment Code						
Inspector Comment						
FS_ID:19064 DS_ID:20530 EP_NO: 3359 Repair Type: Non-Urgent Crossing Status: Indicator Found UCIP Comments: Pipe not found. Need to determine disposition of pipe as all other appurtances remain. FIELD_STRUCT_DESC: 2 of 2: 18-inch irrigation pipe of an unknown material through the levee, 3.5 feet below the crown. Pump mounted on pipe structure in the river. Protective fender in the stream. Wooden walkway to the pump structure. Siphon breaker on the landside (LS). (Permit No. 3359, 1960 - Cook Land and Cattle Company). [Additional Reference(s): DWR Levee Log, 2005. USACE San Joaquin O&M Manual 3, December 1968, (HLM 4.69)]. FS Date: 8/27/2013						

Photo 1 of 2 : UCIP\_SP\_2018\_19064\_31863.jpg



Concrete distribution box in center of structure on LS toe.

<b>* Location</b> LS : Land Side    N/A : Not Applicable WS : Water Side CR : Crown		<b>** Rating</b> A : Acceptable M : Minimally Acceptable U : Unacceptable N : Not Inspected/Rated C : Corrected A/W : Acceptable but Monitor & Maintain		<b>+ Issue Type</b> Ma : Maintenance Deficiency Ob : Design & System Obsolescence En : Enforcement
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**Flood Control Project Maintenance  
Levee Inspections**

**Levee Inspection Report By Mile - Spring 2018**

**Reclamation District No. 2064 River Junction**

Waterway	Bank	Unit Miles	Inspection Start/End	Inspector
Unit No. 01 San Joaquin River	Right	5.56	04/11/2018 04/11/2018	Keith Millard

LM Start	4.72	Rating **	M	Issue No.	47 (cont)	
LM End	4.72	Issue Type +	En	Location *		
Category	Supplemental			GPS Latitude/Longitude		
				Start	End	
Item	DWR UCIP Field Study			37.670161 °	37.670161 °	
				-121.246973 °	-121.246973 °	
DWR ID						
Comment Code						
Inspector Comment						
FS_ID:19064 DS_ID:20530 EP_NO: 3359 Repair Type: Non-Urgent Crossing Status: Indicator Found UCIP Comments: Pipe not found. Need to determine disposition of pipe as all other appurtances remain. FIELD_STRUCT_DESC: 2 of 2: 18-inch irrigation pipe of an unknown material through the levee, 3.5 feet below the crown. Pump mounted on pipe structure in the river. Protective fender in the stream. Wooden walkway to the pump structure. Siphon breaker on the landside (LS). (Permit No. 3359, 1960 - Cook Land and Cattle Company). [Additional Reference(s): DWR Levee Log, 2005. USACE San Joaquin O&M Manual 3, December 1968, (HLM 4.69)]. FS Date: 8/27/2013						

Photo 2 of 2 : UCIP\_SP\_2018\_19064\_31862.jpg



Pump platform and fender visible on WS toe.

LM Start	4.82	Rating **	A/W	Issue No.	26
LM End	4.85	Issue Type +	Ma	Location *	
Category	Supplemental			GPS Latitude/Longitude	
				Start	End
Item	2017 Storm Damage			37.671730 °	37.672140 °
				-121.246820 °	-121.246800 °
DWR ID	DWR_RD2064_01_f_2017_26				
Comment Code					
Inspector Comment					
Levee Evaluation Comments					
Description:Erosion from high water flows caused erosion scarps from 12" to 24" in height. The area of damage is approximately 600 feet in length.					
Site ID No:583					
Site Designation:LMA-489					
Repair Type: Erosion					
Rating:Area of Concern					
Field Date:8/14/2017					
Notes: Minor toe erosion					

Photo 1 of 3 : SP\_2018\_RD2064\_313\_26\_20180329\_00014.jpg



<b>* Location</b> LS : Land Side    N/A : Not Applicable WS : Water Side CR : Crown		<b>** Rating</b> A : Acceptable M : Minimally Acceptable U : Unacceptable N : Not Inspected/Rated C : Corrected A/W : Acceptable but Monitor & Maintain		<b>+ Issue Type</b> Ma : Maintenance Deficiency Ob : Design & System Obsolescence En : Enforcement
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**Flood Control Project Maintenance  
Levee Inspections**

**Levee Inspection Report By Mile - Spring 2018**

**Reclamation District No. 2064 River Junction**

Waterway	Bank	Unit Miles	Inspection Start/End	Inspector
Unit No. 01 San Joaquin River	Right	5.56	04/11/2018 04/11/2018	Keith Millard

LM Start	4.82	Rating **	A/W	Issue No.	26 (cont)
LM End	4.85	Issue Type +	Ma	Location *	
Category	Supplemental			GPS Latitude/Longitude	
				Start	End
Item	2017 Storm Damage			37.671730 °	37.672140 °
				-121.246820 °	-121.246800 °
DWR ID	DWR_RD2064_01_f_2017_26				
Comment Code					
Inspector Comment					
Levee Evaluation Comments					
Description:Erosion from high water flows caused erosion scarps from 12" to 24" in height. The area of damage is approximately 600 feet in length.					
Site ID No:583					
Site Designation:LMA-489					
Repair Type: Erosion					
Rating:Area of Concern					
Field Date:8/14/2017					
Notes: Minor toe erosion					

Photo 2 of 3 : SP\_2018\_RD2064\_313\_26\_20180329\_00015.jpg



Photo 3 of 3 : SP\_2018\_RD2064\_313\_26\_20180329\_00016.jpg



<b>* Location</b> LS : Land Side    N/A : Not Applicable WS : Water Side CR : Crown		<b>** Rating</b> A : Acceptable M : Minimally Acceptable U : Unacceptable		N : Not Inspected/Rated C : Corrected A/W : Acceptable but Monitor & Maintain		<b>+ Issue Type</b> Ma : Maintenance Deficiency Ob : Design & System Obsolescence En : Enforcement	
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**Flood Control Project Maintenance  
Levee Inspections**

**Levee Inspection Report By Mile - Spring 2018**

**Reclamation District No. 2064 River Junction**

Waterway	Bank	Unit Miles	Inspection Start/End	Inspector
Unit No. 01 San Joaquin River	Right	5.56	04/11/2018 04/11/2018	Keith Millard

LM Start	<b>5.31</b>	Rating **	A/W	Issue No.	<b>30</b>
LM End		Issue Type +	Ob	Location *	
Category	Supplemental		GPS Latitude/Longitude		
			Start	End	
Item	2017 Storm Damage		37.670690 °		°
			-121.241600 °		°
DWR ID	DWR_RD2064_01_f_2017_30				
Comment Code					
Inspector Comment					
Levee Evaluation Comments Description: Site ID No:103 Site Designation:195-8 Repair Type: Seepage Rating: Field Date: Notes:					

No Photos

<b>* Location</b> LS : Land Side    N/A : Not Applicable WS : Water Side CR : Crown	<b>** Rating</b> A : Acceptable M : Minimally Acceptable U : Unacceptable N : Not Inspected/Rated C : Corrected A/W : Acceptable but Monitor & Maintain	<b>+ Issue Type</b> Ma : Maintenance Deficiency Ob : Design & System Obsolescence En : Enforcement
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**Flood Control Project Maintenance  
Levee Inspections**

**Unit Cover Sheet**

**Spring 2018 Levee Inspection Results**

**Reclamation District No. 2064 River Junction**

Waterway			Bank	Unit Miles
Unit No. 02 Stanislaus River			Right	6.08
	Spring (March - May)	Summer (June - August)	(September - November) Fall	Winter (December - February)
Unit Maintenance Rating (Fall Only)				
Date of Inspection	4/11/2018 - 4/11/2018			
DWR Inspector	Keith Millard			
Accompanied By	Mark Veltkamp			
	Dan Eavenson			

**Summer & Winter Inspections**

The Local Maintaining Agency (LMA) is responsible for summer and winter inspections. The LMA is required to submit a report regarding summer and winter inspections to the California Department of Water Resources (DWR).

DWR must be informed on the:

- a) completion of the inspection
- b) any changes other than the results of normal maintenance
- c) corrections to deficiencies noted in this report

If additional items are noted, further documentation of those items must also be submitted.

The LMA should submit this information to DWR using the LMA web application tool available at:

<http://cdec.water.ca.gov/lma.html>

If the LMA is unable to submit information on this webpage, please contact DWR for assistance.

*The LMA should submit the information and any associated documentation by September 30 for summer inspections and March 31 for winter inspections.*



**Flood Control Project Maintenance  
Levee Inspections**

**Levee Inspection Report By Mile - Spring 2018**

**Reclamation District No. 2064 River Junction**

Waterway	Bank	Unit Miles	Inspection Start/End	Inspector
Unit No. 02 Stanislaus River	Right	6.08	04/11/2018 04/11/2018	Keith Millard

LM Start	0.33	Rating **	M	Issue No.	24
LM End	0.33	Issue Type +	En	Location *	
Category	Supplemental			GPS Latitude/Longitude	
				Start	End
Item	DWR UCIP Field Study			37.664752 °	37.664752 °
				-121.236512 °	-121.236512 °
DWR ID					
Comment Code					
Inspector Comment					
FS_ID:44653 DS_ID:24062 EP_NO: N/A Repair Type: Non-Urgent Crossing Status: Found UCIP Comments: Plan of action in progress to install permanant pipe and pump by August 2015. No permit identified for large PVC irrigation pipe with inadequate cover. FIELD_STRUCT_DESC: 8-inch polyvinyl chloride (PVC) irrigation pipe through the levee, 0.5 feet below the crown. Portable pump on the berm, and a filter plant on the landside (LS) toe. Vent at filter plant on the LS toe. FS Date: 4/22/2015					

LM Start	<b>0.33</b>	Rating **	M	Issue No.	<b>24 (cont)</b>
LM End	<b>0.33</b>	Issue Type +	En	Location *	

Photo 1 of 3 : UCIP\_SP\_2018\_44653\_37715.jpg



Pipe, vent, and filter plant on LS shoulder and LS toe.

Photo 2 of 3 : UCIP\_SP\_2018\_44653\_37714.jpg



Pipe visible on WS shoulder/slope.

<b>* Location</b> LS : Land Side    N/A : Not Applicable WS : Water Side CR : Crown	<b>** Rating</b> A : Acceptable M : Minimally Acceptable U : Unacceptable	N : Not Inspected/Rated C : Corrected A/W : Acceptable but Monitor & Maintain	<b>+ Issue Type</b> Ma : Maintenance Deficiency Ob : Design & System Obsolescence En : Enforcement
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**Flood Control Project Maintenance  
Levee Inspections**

**Levee Inspection Report By Mile - Spring 2018**

**Reclamation District No. 2064 River Junction**

Waterway	Bank	Unit Miles	Inspection Start/End	Inspector
Unit No. 02 Stanislaus River	Right	6.08	04/11/2018 04/11/2018	Keith Millard

LM Start	0.33	Rating **	M	Issue No.	24 (cont)	
LM End	0.33	Issue Type +	En	Location *		
Category	Supplemental			GPS Latitude/Longitude		
				Start		End
Item	DWR UCIP Field Study			37.664752 °		37.664752 °
				-121.236512 °		-121.236512 °
DWR ID						
Comment Code						
Inspector Comment						
FS_ID:44653						
DS_ID:24062						
EP_NO: N/A						
Repair Type: Non-Urgent						
Crossing Status: Found						
UCIP Comments: Plan of action in progress to install permanant pipe and pump by August 2015. No permit identified for large PVC irrigation pipe with inadequate cover.						
FIELD_STRUCT_DESC: 8-inch polyvinyl chloride (PVC) irrigation pipe through the levee, 0.5 feet below the crown. Portable pump on the berm, and a filter plant on the landside (LS) toe. Vent at filter plant on the LS toe.						
FS Date: 4/22/2015						

Photo 3 of 3 : UCIP\_SP\_2018\_44653\_37713.jpg



Portable pump on WS berm.

<b>* Location</b> LS : Land Side    N/A : Not Applicable WS : Water Side CR : Crown	<b>** Rating</b> A : Acceptable M : Minimally Acceptable U : Unacceptable N : Not Inspected/Rated C : Corrected A/W : Acceptable but Monitor & Maintain	<b>+ Issue Type</b> Ma : Maintenance Deficiency Ob : Design & System Obsolescence En : Enforcement
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**Flood Control Project Maintenance  
Levee Inspections**

**Levee Inspection Report By Mile - Spring 2018**

**Reclamation District No. 2064 River Junction**

Waterway	Bank	Unit Miles	Inspection Start/End	Inspector
Unit No. 02 Stanislaus River	Right	6.08	04/11/2018 04/11/2018	Keith Millard

LM Start	0.33	Rating **	M	Issue No.	25
LM End	0.33	Issue Type +	En	Location *	
Category	Supplemental			GPS Latitude/Longitude	
				Start	End
Item	DWR UCIP Field Study			37.664740 °	37.664740 °
				-121.236474 °	-121.236474 °
DWR ID					
Comment Code					
Inspector Comment					
FS_ID:51385 DS_ID:20537 EP_NO: 4462 Repair Type: Non-Urgent Crossing Status: Found UCIP Comments: 11/16/2016 Crossing has been downgraded from Urgent to Non-Urgent pipe has been grouted and new pipe installed however, no permit is currently available to document work. Need to contact owner to determine permit authorizing existing pipe to be grouted and new pipe to be installed. (O. Magana - DWR UCIP)08/28/2013 Pipe failing on LS toe do to excessive rust. Pump missing from deteriorating wooden platform on LS slope. Pipe crossing being repaired at site. (W. Wylie - DWR UCIP) FIELD_STRUCT_DESC: *ABANDONED* 16-inch steel irrigation pipe through the levee, 3.5 feet below the crown. 2-inch electrical conduit through the levee at the same location. Slant pump on the bank. Siphon breaker on the landside (LS) shoulder. Timber walkway from the levee slope to the pump motor on the waterside (WS). Pump, motor, and walkway have been removed as of 2016. Siphon breaker and grouted pipe still remain at this location as of 2016. (16-inch pipe authorized under Permit No. 4462, 1964 - C. L. Ball). [Additional Reference(s): DWR Levee Log, 2005. USACE San Joaquin O&M Manual 3, December 1968, (HLM 0.33), Drawing No. 7-4-1685, Sheet 1685/58, (Station 307+57A)]. FS Date: 11/16/2016					

LM Start	<b>0.33</b>	Rating **	M	Issue No.	<b>25 (cont)</b>
LM End	<b>0.33</b>	Issue Type +	En	Location *	

Photo 1 of 3 : UCIP\_SP\_2018\_51385\_31892.jpg



Siphon breaker in 24-inch CMP riser on LS shoulder.

Photo 2 of 3 : UCIP\_SP\_2018\_51385\_31891.jpg



Deteriorated wooded pump platform on WS shoulder.

<b>* Location</b> LS : Land Side    N/A : Not Applicable WS : Water Side CR : Crown		<b>** Rating</b> A : Acceptable M : Minimally Acceptable U : Unacceptable		N : Not Inspected/Rated C : Corrected A/W : Acceptable but Monitor & Maintain		<b>+ Issue Type</b> Ma : Maintenance Deficiency Ob : Design & System Obsolescence En : Enforcement	
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**Flood Control Project Maintenance  
Levee Inspections**

**Levee Inspection Report By Mile - Spring 2018**

**Reclamation District No. 2064 River Junction**

Waterway	Bank	Unit Miles	Inspection Start/End	Inspector
Unit No. 02 Stanislaus River	Right	6.08	04/11/2018 04/11/2018	Keith Millard

LM Start	0.33	Rating **	M	Issue No.	25 (cont)	
LM End	0.33	Issue Type +	En	Location *		
Category	Supplemental			GPS Latitude/Longitude		
				Start	End	
Item	DWR UCIP Field Study			37.664740 °	37.664740 °	
				-121.236474 °	-121.236474 °	
DWR ID						
Comment Code						
Inspector Comment						
FS_ID:51385						
DS_ID:20537						
EP_NO: 4462						
Repair Type: Non-Urgent						
Crossing Status: Found						
UCIP Comments: 11/16/2016 Crossing has been downgraded from Urgent to Non-Urgent pipe has been grouted and new pipe installed however, no permit is currently available to document work. Need to contact owner to determine permit authorizing existing pipe to be grouted and new pipe to be installed. (O. Magana - DWR UCIP)08/28/2013 Pipe failing on LS toe do to excessive rust. Pump missing from deteriorating wooden platform on LS slope. Pipe crossing being repaired at site. (W. Wylie - DWR UCIP)						
FIELD_STRUCT_DESC: *ABANDONED* 16-inch steel irrigation pipe through the levee, 3.5 feet below the crown. 2-inch electrical conduit through the levee at the same location. Slant pump on the bank. Siphon breaker on the landside (LS) shoulder. Timber walkway from the levee slope to the pump motor on the waterside (WS). Pump, motor, and walkway have been removed as of 2016. Siphon breaker and grouted pipe still remain at this location as of 2016. (16-inch pipe authorized under Permit No. 4462, 1964 - C. L. Ball). [Additional Reference(s): DWR Levee Log, 2005. USACE San Joaquin O&M Manual 3, December 1968, (HLM 0.33), Drawing No. 7-4-1685, Sheet 1685/58, (Station 307+57A)].						
FS Date: 11/16/2016						

Photo 3 of 3 : UCIP\_SP\_2018\_51385\_31890.jpg



2-inch galvanized iron electrical conduit at same location.

<b>* Location</b> LS : Land Side    N/A : Not Applicable WS : Water Side CR : Crown	<b>** Rating</b> A : Acceptable M : Minimally Acceptable U : Unacceptable	N : Not Inspected/Rated C : Corrected A/W : Acceptable but Monitor & Maintain	<b>+ Issue Type</b> Ma : Maintenance Deficiency Ob : Design & System Obsolescence En : Enforcement
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**Flood Control Project Maintenance  
Levee Inspections**

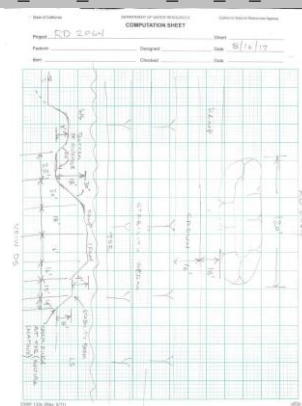
**Levee Inspection Report By Mile - Spring 2018**

**Reclamation District No. 2064 River Junction**

Waterway	Bank	Unit Miles	Inspection Start/End	Inspector
Unit No. 02 Stanislaus River	Right	6.08	04/11/2018 04/11/2018	Keith Millard

LM Start	0.71	Rating **	A/W	Issue No.	20
LM End	0.71	Issue Type +	Ma	Location *	
Category	Supplemental			GPS Latitude/Longitude	
				Start	End
Item	2017 Storm Damage			37.664200 °	37.664200 °
				-121.230420 °	-121.230420 °
DWR ID	DWR_RD2064_02_f_2017_20				
Comment Code					
Inspector Comment					
Levee Evaluation Comments					
Description:POI is a waterside sinkhole with an existing seepage berm on the landside. This site was flood fought in 2017 with sack rings.					
Site ID No:584					
Site Designation:LMA-490					
Repair Type: Stability					
Rating:Area of Concern					
Field Date:8/16/2017					
Notes: POI is a waterside sinkhole					

Photo 1 of 1 : SP\_2018\_RD2064\_314\_20\_20180329\_00003.jpg



LM Start	1.41	Rating **	M	Issue No.	19
LM End	1.41	Issue Type +	Ma	Location *	LS
Category	Earthen Levee			GPS Latitude/Longitude	
				Start	End
Item	Vegetation			37.670467 °	37.670467 °
				-121.224619 °	-121.224619 °
DWR ID	DWR_RD2064_02_s_2018_19				
Comment Code					
V2 : Remove the wild growth other than native grasses from the levee slopes.					
Inspector Comment					

Photo 1 of 1 : SP\_2018\_RD2064\_314\_19\_20180411\_00069.jpg



Landside vegetation along fence should be reduced to allow inspection and access to slope and toe.

<b>* Location</b> LS : Land Side    N/A : Not Applicable WS : Water Side CR : Crown		<b>** Rating</b> A : Acceptable M : Minimally Acceptable U : Unacceptable N : Not Inspected/Rated C : Corrected A/W : Acceptable but Monitor & Maintain		<b>+ Issue Type</b> Ma : Maintenance Deficiency Ob : Design & System Obsolescence En : Enforcement
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**Flood Control Project Maintenance  
Levee Inspections**

**Levee Inspection Report By Mile - Spring 2018**

**Reclamation District No. 2064 River Junction**

Waterway	Bank	Unit Miles	Inspection Start/End	Inspector
Unit No. 02 Stanislaus River	Right	6.08	04/11/2018 04/11/2018	Keith Millard

LM Start	1.77	Rating **	U	Issue No.	17
LM End	1.85	Issue Type +	En	Location *	LS
Category	Earthen Levee			GPS Latitude/Longitude	
				Start	End
Item	Encroachments			37.673714 °	37.674829 °
				-121.222345 °	-121.222822 °
DWR ID	DWR_RD2064_02_s_2017_17				
Comment Code					
BU : Building					
Inspector Comment					
This is not a new structure it's been here for many years, the present owner sits on the RD Board, was at one time the action President of the RD. The CVFPB has started the review process for the building. 10/12/2017: Encroachments inculde buildings, sheds, vehicles, equipment, debris, etc. Current LMA manager currently working with Board to take action.					

Photo 1 of 1 : SP\_2018\_RD2064\_314\_17\_20180329\_00001.jpg



RD 2064 looking upstream from levee mile 1.96 landside, building within the easement.

LM Start	1.97	Rating **	M	Issue No.	26
LM End	1.97	Issue Type +	En	Location *	
Category	Supplemental			GPS Latitude/Longitude	
				Start	End
Item	DWR UCIP Field Study			37.676454 °	37.676454 °
				-121.223204 °	-121.223204 °
DWR ID					
Comment Code					
Inspector Comment					
FS_ID:22095 DS_ID:24063 EP_NO: N/A Repair Type: Non-Urgent Crossing Status: Found UCIP Comments: No permit identified for this crossing. FIELD_STRUCT_DESC: 6-inch steel irrigation pipe through the levee, at an unknown depth. Pump on wooden pier on the waterside (WS). Vent between 2 steel bollards on the landside (LS) shoulder. Filter plant on the LS toe. 1.5-inch galvanized iron electrical conduit at the same location. FS Date: 8/27/2013					

Photo 1 of 3 : UCIP\_SP\_2018\_22095\_37722.jpg



Pipe and vent visible on WS shoulder at wooden walkway.

* Location LS : Land Side    N/A : Not Applicable WS : Water Side CR : Crown		** Rating A : Acceptable M : Minimally Acceptable U : Unacceptable N : Not Inspected/Rated C : Corrected A/W : Acceptable but Monitor & Maintain		+ Issue Type Ma : Maintenance Deficiency Ob : Design & System Obsolescence En : Enforcement
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**Flood Control Project Maintenance  
Levee Inspections**

**Levee Inspection Report By Mile - Spring 2018**

**Reclamation District No. 2064 River Junction**

Waterway	Bank	Unit Miles	Inspection Start/End	Inspector
Unit No. 02 Stanislaus River	Right	6.08	04/11/2018 04/11/2018	Keith Millard

LM Start	1.97	Rating **	M	Issue No.	26 (cont)	
LM End	1.97	Issue Type +	En	Location *		
Category	Supplemental			GPS Latitude/Longitude		
				Start	End	
Item	DWR UCIP Field Study			37.676454 °	37.676454 °	
				-121.223204 °	-121.223204 °	
DWR ID						
Comment Code						
Inspector Comment						
FS_ID:22095						
DS_ID:24063						
EP_NO: N/A						
Repair Type: Non-Urgent						
Crossing Status: Found						
UCIP Comments: No permit identified for this crossing.						
FIELD_STRUCT_DESC: 6-inch steel irrigation pipe through the levee,						
at an unknown depth. Pump on wooden pier on the waterside (WS).						
Vent between 2 steel bollards on the landside (LS) shoulder. Filter plant						
on the LS toe. 1.5-inch galvanized iron electrical conduit at the same						
location.						
FS Date: 8/27/2013						

Photo 2 of 3 : UCIP\_SP\_2018\_22095\_37721.jpg



Vent on LS shoulder.

LM Start	<b>1.97</b>	Rating **	M	Issue No.	<b>26 (cont)</b>
LM End	<b>1.97</b>	Issue Type +	En	Location *	

Photo 3 of 3 : UCIP\_SP\_2018\_22095\_37720.jpg



Filterplant visible on LS toe.

<b>* Location</b> LS : Land Side    N/A : Not Applicable WS : Water Side CR : Crown		<b>** Rating</b> A : Acceptable M : Minimally Acceptable U : Unacceptable N : Not Inspected/Rated C : Corrected A/W : Acceptable but Monitor & Maintain		<b>+ Issue Type</b> Ma : Maintenance Deficiency Ob : Design & System Obsolescence En : Enforcement
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**Flood Control Project Maintenance  
Levee Inspections**

**Levee Inspection Report By Mile - Spring 2018**

**Reclamation District No. 2064 River Junction**

Waterway	Bank	Unit Miles	Inspection Start/End	Inspector
Unit No. 02 Stanislaus River	Right	6.08	04/11/2018 04/11/2018	Keith Millard

LM Start	1.97	Rating **	U	Issue No.	23
LM End	1.97	Issue Type +	En	Location *	LS
Category	Earthen Levee			GPS Latitude/Longitude	
				Start	End
Item	Encroachments			37.676454 °	37.676454 °
				-121.223200 °	-121.223200 °
DWR ID	DWR_RD2064_02_s_2017_23				
Comment Code					
EQ : Equipment					
Inspector Comment					
This equipment and other materials need to be removed from the landside easement.					

Photo 1 of 2 : SP\_2018\_RD2064\_314\_23\_20180329\_00005.jpg



RD 2064 Landside looking upstream from levee mile 1.97 equipment on the berm.

LM Start	<b>1.97</b>	Rating **	U	Issue No.	<b>23 (cont)</b>
LM End	<b>1.97</b>	Issue Type +	En	Location *	LS

Photo 2 of 2 : SP\_2018\_RD2064\_314\_23\_20180329\_00006.jpg



RD 2064 Landside looking upstream from levee mile 1.97 more equipment and other materials within the easement.

* Location LS : Land Side    N/A : Not Applicable WS : Water Side CR : Crown		** Rating A : Acceptable M : Minimally Acceptable U : Unacceptable N : Not Inspected/Rated C : Corrected A/W : Acceptable but Monitor & Maintain		+ Issue Type Ma : Maintenance Deficiency Ob : Design & System Obsolescence En : Enforcement	
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**Flood Control Project Maintenance  
Levee Inspections**

**Levee Inspection Report By Mile - Spring 2018**

**Reclamation District No. 2064 River Junction**

Waterway	Bank	Unit Miles	Inspection Start/End	Inspector
Unit No. 02 Stanislaus River	Right	6.08	04/11/2018 04/11/2018	Keith Millard

LM Start	2.53	Rating **	M	Issue No.	27
LM End	2.53	Issue Type +	En	Location *	
Category	Supplemental			GPS Latitude/Longitude	
				Start	End
Item	DWR UCIP Field Study			37.684148 °	37.684148 °
				-121.223599 °	-121.223599 °
DWR ID					
Comment Code					
Inspector Comment					
FS_ID:19086 DS_ID:20540 EP_NO: N/A Repair Type: Non-Urgent Crossing Status: Found UCIP Comments: Leak next to roadway may indicate pipe has reached life capacity-good candidate for video inspection. FIELD_STRUCT_DESC: 30-inch by 30-inch reinforced concrete box irrigation culvert through the levee, 14.5 feet below the crown. Pipe reduced to 24-inch through the berm to pump house. Slide gate in a 6-foot by 7-foot concrete riser on the waterside (WS) slope. Slant pump mounted on the berm next to a 5-foot by 9-foot concrete riser. 1.5-inch electrical conduit at the same location. [Additional Reference(s): DWR Levee Log, 2005. USACE San Joaquin O&M Manual 3, December 1968, (HLM 2.51)]. FS Date: 8/28/2013					

LM Start	<b>2.53</b>	Rating **	M	Issue No.	<b>27 (cont)</b>
LM End	<b>2.53</b>	Issue Type +	En	Location *	

Photo 1 of 3 : UCIP\_SP\_2018\_19086\_31954.jpg



Gate valve on WS shoulder. Pump next to concrete riser in background.

Photo 2 of 3 : UCIP\_SP\_2018\_19086\_31953.jpg



Wet area next to roadway off LS toe may indicate a leak. Power pole and meter on LS toe.

<b>* Location</b> LS : Land Side    N/A : Not Applicable WS : Water Side CR : Crown	<b>** Rating</b> A : Acceptable M : Minimally Acceptable U : Unacceptable	N : Not Inspected/Rated C : Corrected A/W : Acceptable but Monitor & Maintain	<b>+ Issue Type</b> Ma : Maintenance Deficiency Ob : Design & System Obsolescence En : Enforcement
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# Reclamation District No. 2064 River Junction

**Flood Control Project Maintenance  
Levee Inspections**

**Levee Inspection Report By Mile - Spring 2018**

**Reclamation District No. 2064 River Junction**

Waterway	Bank	Unit Miles	Inspection Start/End	Inspector
Unit No. 02 Stanislaus River	Right	6.08	04/11/2018 04/11/2018	Keith Millard

LM Start	2.76	Rating **	A/W	Issue No.	22
LM End	2.82	Issue Type +	Ma	Location *	LS
Category	Earthen Levee			GPS Latitude/Longitude	
				Start	End
Item	Trim / Thin Trees			37.684940 °	37.685703 °
				-121.220246 °	-121.219727 °
DWR ID	DWR_RD2064_02_f_2017_22				
Comment Code					
T2 : Thin trees to allow visibility of the ground and room to flood fight.					
Inspector Comment					

No Photos

LM Start	4.19	Rating **	M	Issue No.	28	
LM End	4.19	Issue Type +	En	Location *		
Category	Supplemental			GPS Latitude/Longitude		
				Start		End
Item	DWR UCIP Field Study			37.695198 °		37.695198 °
				-121.206414 °		-121.206414 °
DWR ID						
Comment Code						
Inspector Comment						
FS_ID:41075 DS_ID:20542 EP_NO: N/A Repair Type: Non-Urgent Crossing Status: Found UCIP Comments: Gate missing from LS ditch. FIELD_STRUCT_DESC: 24-inch steel irrigation pipe through the levee, 6 feet below the crown. Slide gate in a 36-inch corrugated metal pipe (CMP) riser on the waterside (WS). Pump mounted on pile structure in the river. Pipe discharges into a cobble grouted spillway on the landside (LS). Flap gate on the LS. [Additional Reference(s): DWR Levee Log, 2005. USACE San Joaquin O&M Manual 3, December 1968, (HLM 4.15)]. FS Date: 8/28/2013						

Photo 1 of 3 : UCIP\_SP\_2018\_41075\_31963.jpg



Pipe and pump visible on WS berm.

<b>* Location</b> LS : Land Side    N/A : Not Applicable WS : Water Side CR : Crown		<b>** Rating</b> A : Acceptable                      N : Not Inspected/Rated M : Minimally Acceptable        C : Corrected U : Unacceptable                  A/W : Acceptable but Monitor & Maintain		<b>+ Issue Type</b> Ma : Maintenance Deficiency Ob : Design & System Obsolescence En : Enforcement
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**Flood Control Project Maintenance  
Levee Inspections**

**Levee Inspection Report By Mile - Spring 2018**

**Reclamation District No. 2064 River Junction**

Waterway	Bank	Unit Miles	Inspection Start/End	Inspector
Unit No. 02 Stanislaus River	Right	6.08	04/11/2018 04/11/2018	Keith Millard

LM Start	4.19	Rating **	M	Issue No.	28 (cont)	
LM End	4.19	Issue Type +	En	Location *		
Category	Supplemental			GPS Latitude/Longitude		
				Start		End
Item	DWR UCIP Field Study			37.695198 °	37.695198 °	
				-121.206414 °	-121.206414 °	
DWR ID						
Comment Code						
Inspector Comment						
FS_ID:41075 DS_ID:20542 EP_NO: N/A Repair Type: Non-Urgent Crossing Status: Found UCIP Comments: Gate missing from LS ditch. FIELD_STRUCT_DESC: 24-inch steel irrigation pipe through the levee, 6 feet below the crown. Slide gate in a 36-inch corrugated metal pipe (CMP) riser on the waterside (WS). Pump mounted on pile structure in the river. Pipe discharges into a cobble grouted spillway on the landside (LS). Flap gate on the LS. [Additional Reference(s): DWR Levee Log, 2005. USACE San Joaquin O&M Manual 3, December 1968, (HLM 4.15)]. FS Date: 8/28/2013						

Photo 2 of 3 : UCIP\_SP\_2018\_41075\_31962.jpg



Slide gate in 36-inch CMP riser on WS slope.

LM Start	<b>4.19</b>	Rating **	M	Issue No.	<b>28 (cont)</b>
LM End	<b>4.19</b>	Issue Type +	En	Location *	

Photo 3 of 3 : UCIP\_SP\_2018\_41075\_31961.jpg



Pipe with missing flapgate on LS at concrete ditch.

<b>* Location</b> LS : Land Side    N/A : Not Applicable WS : Water Side CR : Crown	<b>** Rating</b> A : Acceptable M : Minimally Acceptable U : Unacceptable	N : Not Inspected/Rated C : Corrected A/W : Acceptable but Monitor & Maintain	<b>+ Issue Type</b> Ma : Maintenance Deficiency Ob : Design & System Obsolescence En : Enforcement
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**Flood Control Project Maintenance  
Levee Inspections**

**Levee Inspection Report By Mile - Spring 2018**

**Reclamation District No. 2064 River Junction**

Waterway	Bank	Unit Miles	Inspection Start/End	Inspector
Unit No. 02 Stanislaus River	Right	6.08	04/11/2018 04/11/2018	Keith Millard

LM Start	4.24	Rating **	M	Issue No.	29	
LM End	4.24	Issue Type +	En	Location *		
Category	Supplemental			GPS Latitude/Longitude		
				Start	End	
Item	DWR UCIP Field Study			37.695745 °	37.695745 °	
				-121.205865 °	-121.205865 °	
DWR ID						
Comment Code						
Inspector Comment						
FS_ID:22107						
DS_ID:24064						
EP_NO: N/A						
Repair Type: Non-Urgent						
Crossing Status: Found						
UCIP Comments: Pipe does not have adequate cover at crown.						
FIELD_STRUCT_DESC: 12-inch steel discharge pipe through the						
levee, 0.5 feet below the crown. Pump on concrete headwall at the						
landside (LS) toe. Pipe discharges into a 6-foot by 7-foot concrete box						
on the waterside (WS) shoulder.						
FS Date: 8/28/2013						

LM Start	<b>4.24</b>	Rating **	M	Issue No.	<b>29 (cont)</b>
LM End	<b>4.24</b>	Issue Type +	En	Location *	

Photo 1 of 2 : UCIP\_SP\_2018\_22107\_37736.jpg



Pump for pipe on concrete headwall at LS toe.

Photo 2 of 2 : UCIP\_SP\_2018\_22107\_37735.jpg



Pipe discharges into concrete riser on WS slope.

<b>* Location</b> LS : Land Side    N/A : Not Applicable WS : Water Side CR : Crown		<b>** Rating</b> A : Acceptable M : Minimally Acceptable U : Unacceptable N : Not Inspected/Rated C : Corrected A/W : Acceptable but Monitor & Maintain		<b>+ Issue Type</b> Ma : Maintenance Deficiency Ob : Design & System Obsolescence En : Enforcement
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**Flood Control Project Maintenance  
Levee Inspections**

**Levee Inspection Report By Mile - Spring 2018**

**Reclamation District No. 2064 River Junction**

Waterway	Bank	Unit Miles	Inspection Start/End	Inspector
Unit No. 02 Stanislaus River	Right	6.08	04/11/2018 04/11/2018	Keith Millard

LM Start	4.41	Rating **	A/W	Issue No.	30
LM End	4.41	Issue Type +	Ma	Location *	
Category	Supplemental			GPS Latitude/Longitude	
				Start	End
Item	DWR UCIP LMA Responsibility			37.696386 °	37.696386 °
				-121.202963 °	-121.202963 °
DWR ID					
Comment Code					
Inspector Comment					
FS_ID:19117 DS_ID:20549 EP_NO: N/A Repair Type: No Action Needed Crossing Status: Found UCIP Comments: FIELD_STRUCT_DESC: 30-inch drainage pipe of an unknown material through the levee, 10.5 feet below the crown. Concrete U-shaped headwalls on both ends. Flap gate on the waterside (WS) end. Two corrugated metal cutoff walls. [Additional Reference(s): DWR Levee Log, 2005. USACE San Joaquin O&M Manual 3, December 1968, (HLM 4.37)]. FS Date: 8/28/2013					

Photo 1 of 3 : UCIP\_SP\_2018\_19117\_32069.jpg



Headwall on LS toe.

LM Start	<b>4.41</b>	Rating **	A/W	Issue No.	<b>30 (cont)</b>
LM End	<b>4.41</b>	Issue Type +	Ma	Location *	

Photo 2 of 3 : UCIP\_SP\_2018\_19117\_32068.jpg



Headwall on WS toe.

<b>* Location</b> LS : Land Side    N/A : Not Applicable WS : Water Side CR : Crown	<b>** Rating</b> A : Acceptable M : Minimally Acceptable U : Unacceptable	N : Not Inspected/Rated C : Corrected A/W : Acceptable but Monitor & Maintain	<b>+ Issue Type</b> Ma : Maintenance Deficiency Ob : Design & System Obsolescence En : Enforcement
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## Levee Inspection Report By Mile - Spring 2018

Waterway	Bank	Unit Miles	Inspection Start/End	Inspector
Unit No. 02 Stanislaus River	Right	6.08	04/11/2018 04/11/2018	Keith Millard


Photo 3 of 3 : UCIP\_SP\_2018\_19117\_32067.jpg



08/28/2013 12:08

Headwall on LS toe.

Photo 1 of 3 : UCIP\_SP\_2018\_22793\_38842.jpg



09/28/2013 12:11

Concrete headwall on WS toe.

* Location	** Rating	+ Issue Type
LS : Land Side    N/A : Not Applicable WS : Water Side CR : Crown	A : Acceptable                      N : Not Inspected/Rated M : Minimally Acceptable        C : Corrected U : Unacceptable                  A/W : Acceptable but Monitor & Maintain	Ma : Maintenance Deficiency Ob : Design & System Obsolescence En : Enforcement



**Flood Control Project Maintenance  
Levee Inspections**

**Levee Inspection Report By Mile - Spring 2018**

**Reclamation District No. 2064 River Junction**

Waterway	Bank	Unit Miles	Inspection Start/End	Inspector
Unit No. 02 Stanislaus River	Right	6.08	04/11/2018 04/11/2018	Keith Millard

LM Start	4.51	Rating **	A/W	Issue No.	31 (cont)	
LM End	4.51	Issue Type +	Ma	Location *		
Category	Supplemental			GPS Latitude/Longitude		
				Start	End	
Item	DWR UCIP LMA Responsibility			37.696892 °	37.696892 °	
				-121.201228 °	-121.201228 °	
DWR ID						
Comment Code						
Inspector Comment						
FS_ID:22793 DS_ID:20550 EP_NO: N/A Repair Type: No Action Needed Crossing Status: Found UCIP Comments: FIELD_STRUCT_DESC: 30-inch corrugated metal drainage pipe through the levee, 8 feet below the crown. Concrete U-shaped headwalls on both ends, and a flap gate on the waterside (WS) end. Grouted spillway on the WS. [Additional Reference(s): DWR Levee Log, 2005. USACE San Joaquin O&M Manual 3, December 1968, (HLM 4.47)]. FS Date: 8/28/2013						

Photo 2 of 3 : UCIP\_SP\_2018\_22793\_38841.jpg



Concrete headwall on LS toe.

LM Start	<b>4.51</b>	Rating **	A/W	Issue No.	<b>31 (cont)</b>
LM End	<b>4.51</b>	Issue Type +	Ma	Location *	

Photo 3 of 3 : UCIP\_SP\_2018\_22793\_38844.jpg



Concrete headwall on LS toe.

<b>* Location</b> LS : Land Side    N/A : Not Applicable WS : Water Side CR : Crown	<b>** Rating</b> A : Acceptable M : Minimally Acceptable U : Unacceptable	N : Not Inspected/Rated C : Corrected A/W : Acceptable but Monitor & Maintain	<b>+ Issue Type</b> Ma : Maintenance Deficiency Ob : Design & System Obsolescence En : Enforcement
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**Flood Control Project Maintenance  
Levee Inspections**

**Levee Inspection Report By Mile - Spring 2018**

**Reclamation District No. 2064 River Junction**

Waterway	Bank	Unit Miles	Inspection Start/End	Inspector
Unit No. 02 Stanislaus River	Right	6.08	04/11/2018 04/11/2018	Keith Millard

LM Start	4.64	Rating **	A/W	Issue No.	32
LM End	4.64	Issue Type +	Ma	Location *	
Category	Supplemental			GPS Latitude/Longitude	
				Start	End
Item	DWR UCIP LMA Responsibility			37.697101 °	37.697101 °
				-121.199048 °	-121.199048 °
DWR ID					
Comment Code					
Inspector Comment					
FS_ID:19120 DS_ID:20551 EP_NO: N/A Repair Type: No Action Needed Crossing Status: Found UCIP Comments: FIELD_STRUCT_DESC: 30-inch corrugated metal drainage pipe through the levee, 10 feet below the crown. Concrete U-shaped headwalls on both ends. Flap gate on the waterside (WS) end. Two corrugated metal cutoff walls. Grouted spillway on the WS. Spillway damaged due to uprooted tree. [Additional Reference(s): DWR Levee Log, 2005. USACE San Joaquin O&M Manual 3, December 1968, (HLM 4.59)]. FS Date: 8/28/2013					

Photo 1 of 3 : UCIP\_SP\_2018\_19120\_32079.jpg



Concrete headwall on LS toe.

LM Start	<b>4.64</b>	Rating **	A/W	Issue No.	<b>32 (cont)</b>
LM End	<b>4.64</b>	Issue Type +	Ma	Location *	

Photo 2 of 3 : UCIP\_SP\_2018\_19120\_32078.jpg



Concrete headwall on WS toe.

<b>* Location</b> LS : Land Side    N/A : Not Applicable WS : Water Side CR : Crown	<b>** Rating</b> A : Acceptable M : Minimally Acceptable U : Unacceptable	N : Not Inspected/Rated C : Corrected A/W : Acceptable but Monitor & Maintain	<b>+ Issue Type</b> Ma : Maintenance Deficiency Ob : Design & System Obsolescence En : Enforcement
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**Flood Control Project Maintenance  
Levee Inspections**

**Levee Inspection Report By Mile - Spring 2018**

**Reclamation District No. 2064 River Junction**

Waterway	Bank	Unit Miles	Inspection Start/End	Inspector
Unit No. 02 Stanislaus River	Right	6.08	04/11/2018 04/11/2018	Keith Millard

LM Start	4.64	Rating **	A/W	Issue No.	32 (cont)
LM End	4.64	Issue Type +	Ma	Location *	
Category	Supplemental			GPS Latitude/Longitude	
				Start	End
Item	DWR UCIP LMA Responsibility		37.697101 °	37.697101 °	
			-121.199048 °	-121.199048 °	
DWR ID					
Comment Code					
Inspector Comment					
FS_ID:19120 DS_ID:20551 EP_NO: N/A Repair Type: No Action Needed Crossing Status: Found UCIP Comments: FIELD_STRUCT_DESC: 30-inch corrugated metal drainage pipe through the levee, 10 feet below the crown. Concrete U-shaped headwalls on both ends. Flap gate on the waterside (WS) end. Two corrugated metal cutoff walls. Grouted spillway on the WS. Spillway damaged due to uprooted tree. [Additional Reference(s): DWR Levee Log, 2005. USACE San Joaquin O&M Manual 3, December 1968, (HLM 4.59)]. FS Date: 8/28/2013					

Photo 3 of 3 : UCIP\_SP\_2018\_19120\_32077.jpg



Concrete headwall on LS toe.

LM Start	4.78	Rating **	A/W	Issue No.	33
LM End	4.78	Issue Type +	Ma	Location *	
Category	Supplemental			GPS Latitude/Longitude	
				Start	End
Item	DWR UCIP LMA Responsibility			37.696888 °	37.696888 °
				-121.196511 °	-121.196511 °
DWR ID					
Comment Code					
Inspector Comment					
FS_ID:19122 DS_ID:20552 EP_NO: N/A Repair Type: No Action Needed Crossing Status: Found UCIP Comments: FIELD_STRUCT_DESC: 30-inch corrugated metal drainage pipe through the levee, 8.5 feet below the crown. Concrete U-shaped headwalls on both ends. Flap gate on the waterside (WS) end. Two corrugated metal cutoff walls. Grouted spillway on the WS. [Additional Reference(s): DWR Levee Log, 2005. USACE San Joaquin O&M Manual 3, December 1968, (HLM 4.73)]. FS Date: 8/28/2013					

Photo 1 of 3 : UCIP\_SP\_2018\_19122\_32083.jpg



Concrete headwall on LS toe.

<b>* Location</b> LS : Land Side    N/A : Not Applicable WS : Water Side CR : Crown		<b>** Rating</b> A : Acceptable                      N : Not Inspected/Rated M : Minimally Acceptable        C : Corrected U : Unacceptable                  A/W : Acceptable but Monitor & Maintain		<b>+ Issue Type</b> Ma : Maintenance Deficiency Ob : Design & System Obsolescence En : Enforcement
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**Flood Control Project Maintenance  
Levee Inspections**

**Levee Inspection Report By Mile - Spring 2018**

**Reclamation District No. 2064 River Junction**

Waterway	Bank	Unit Miles	Inspection Start/End	Inspector
Unit No. 02 Stanislaus River	Right	6.08	04/11/2018 04/11/2018	Keith Millard

LM Start	4.78	Rating **	A/W	Issue No.	33 (cont)
LM End	4.78	Issue Type +	Ma	Location *	
Category	Supplemental			GPS Latitude/Longitude	
				Start	End
Item	DWR UCIP LMA Responsibility			37.696888 °	37.696888 °
				-121.196511 °	-121.196511 °
DWR ID					
Comment Code					
Inspector Comment					
FS_ID:19122 DS_ID:20552 EP_NO: N/A Repair Type: No Action Needed Crossing Status: Found UCIP Comments: FIELD_STRUCT_DESC: 30-inch corrugated metal drainage pipe through the levee, 8.5 feet below the crown. Concrete U-shaped headwalls on both ends. Flap gate on the waterside (WS) end. Two corrugated metal cutoff walls. Grouted spillway on the WS. [Additional Reference(s): DWR Levee Log, 2005. USACE San Joaquin O&M Manual 3, December 1968, (HLM 4.73)]. FS Date: 8/28/2013					

Photo 2 of 3 : UCIP\_SP\_2018\_19122\_32082.jpg



Concrete headwall on WS toe.

LM Start	<b>4.78</b>	Rating **	A/W	Issue No.	<b>33 (cont)</b>
LM End	<b>4.78</b>	Issue Type +	Ma	Location *	

Photo 3 of 3 : UCIP\_SP\_2018\_19122\_32081.jpg



Concrete headwall on LS toe.

<b>* Location</b> LS : Land Side    N/A : Not Applicable WS : Water Side CR : Crown	<b>** Rating</b> A : Acceptable M : Minimally Acceptable U : Unacceptable	N : Not Inspected/Rated C : Corrected A/W : Acceptable but Monitor & Maintain	<b>+ Issue Type</b> Ma : Maintenance Deficiency Ob : Design & System Obsolescence En : Enforcement
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**Flood Control Project Maintenance  
Levee Inspections**

**Levee Inspection Report By Mile - Spring 2018**

**Reclamation District No. 2064 River Junction**

Waterway	Bank	Unit Miles	Inspection Start/End	Inspector
Unit No. 02 Stanislaus River	Right	6.08	04/11/2018 04/11/2018	Keith Millard

LM Start	4.92	Rating **	M	Issue No.	34
LM End	4.92	Issue Type +	En	Location *	
Category	Supplemental			GPS Latitude/Longitude	
				Start	End
Item	DWR UCIP Field Study			37.696146 °	37.696146 °
				-121.194093 °	-121.194093 °
DWR ID					
Comment Code					
Inspector Comment					
FS_ID:22108 DS_ID:24065 EP_NO: N/A Repair Type: Non-Urgent Crossing Status: Found UCIP Comments: No permit identified for this discharge pipe. FIELD_STRUCT_DESC: 1 of 2: 4-inch polyvinyl chloride (PVC) discharge pipe through the 30-inch drainage pipe, 11 feet below the crown. No permit. FS Date: 8/28/2013					

Photo 1 of 3 : UCIP\_SP\_2018\_22108\_37739.jpg



PVC pipe at right inside stormdrain on LS toe.

LM Start	<b>4.92</b>	Rating **	M	Issue No.	<b>34 (cont)</b>
LM End	<b>4.92</b>	Issue Type +	En	Location *	

Photo 2 of 3 : UCIP\_SP\_2018\_22108\_37738.jpg



PVC pipe at right inside stormdrain on LS toe.

<b>* Location</b> LS : Land Side    N/A : Not Applicable WS : Water Side CR : Crown		<b>** Rating</b> A : Acceptable M : Minimally Acceptable U : Unacceptable N : Not Inspected/Rated C : Corrected A/W : Acceptable but Monitor & Maintain		<b>+ Issue Type</b> Ma : Maintenance Deficiency Ob : Design & System Obsolescence En : Enforcement
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**Flood Control Project Maintenance  
Levee Inspections**

**Levee Inspection Report By Mile - Spring 2018**

**Reclamation District No. 2064 River Junction**

Waterway	Bank	Unit Miles	Inspection Start/End	Inspector
Unit No. 02 Stanislaus River	Right	6.08	04/11/2018 04/11/2018	Keith Millard

LM Start	4.92	Rating **	M	Issue No.	34 (cont)
LM End	4.92	Issue Type +	En	Location *	
Category	Supplemental			GPS Latitude/Longitude	
				Start	End
Item	DWR UCIP Field Study			37.696146 °	37.696146 °
				-121.194093 °	-121.194093 °
DWR ID					
Comment Code					
Inspector Comment					
FS_ID:22108 DS_ID:24065 EP_NO: N/A Repair Type: Non-Urgent Crossing Status: Found UCIP Comments: No permit identified for this discharge pipe. FIELD_STRUCT_DESC: 1 of 2: 4-inch polyvinyl chloride (PVC) discharge pipe through the 30-inch drainage pipe, 11 feet below the crown. No permit. FS Date: 8/28/2013					

Photo 3 of 3 : UCIP\_SP\_2018\_22108\_37737.jpg



Evidence of discharge through PVC conduit on WS toe.

LM Start	4.92	Rating **	M	Issue No.	35
LM End	4.92	Issue Type +	En	Location *	
Category	Supplemental			GPS Latitude/Longitude	
				Start	End
Item	DWR UCIP Field Study			37.696146 °	37.696146 °
				-121.194093 °	-121.194093 °
DWR ID					
Comment Code					
Inspector Comment					
FS_ID:22109 DS_ID:24066 EP_NO: N/A Repair Type: Non-Urgent Crossing Status: Found UCIP Comments: No permit identified for this crossing. FIELD_STRUCT_DESC: 2 of 2: 4-inch polyvinyl chloride (PVC) discharge pipe through the 30-inch drainage pipe, 11 feet below the crown. No permit. FS Date: 8/28/2013					

Photo 1 of 3 : UCIP\_SP\_2018\_22109\_37742.jpg



PVC conduit at left on LS toe.

<b>* Location</b> LS : Land Side    N/A : Not Applicable WS : Water Side CR : Crown		<b>** Rating</b> A : Acceptable M : Minimally Acceptable U : Unacceptable N : Not Inspected/Rated C : Corrected A/W : Acceptable but Monitor & Maintain		<b>+ Issue Type</b> Ma : Maintenance Deficiency Ob : Design & System Obsolescence En : Enforcement
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**Flood Control Project Maintenance  
Levee Inspections**

**Levee Inspection Report By Mile - Spring 2018**

**Reclamation District No. 2064 River Junction**

Waterway	Bank	Unit Miles	Inspection Start/End	Inspector
Unit No. 02 Stanislaus River	Right	6.08	04/11/2018 04/11/2018	Keith Millard

LM Start	4.92	Rating **	M	Issue No.	35 (cont)
LM End	4.92	Issue Type +	En	Location *	
Category	Supplemental			GPS Latitude/Longitude	
				Start	End
Item	DWR UCIP Field Study			37.696146 °	37.696146 °
				-121.194093 °	-121.194093 °
DWR ID					
Comment Code					
Inspector Comment					
FS_ID:22109 DS_ID:24066 EP_NO: N/A Repair Type: Non-Urgent Crossing Status: Found UCIP Comments: No permit identified for this crossing. FIELD_STRUCT_DESC: 2 of 2: 4-inch polyvinyl chloride (PVC) discharge pipe through the 30-inch drainage pipe, 11 feet below the crown. No permit. FS Date: 8/28/2013					

Photo 2 of 3 : UCIP\_SP\_2018\_22109\_37741.jpg



PVC conduit at left on LS toe.

LM Start	<b>4.92</b>	Rating **	M	Issue No.	<b>35 (cont)</b>
LM End	<b>4.92</b>	Issue Type +	En	Location *	

Photo 3 of 3 : UCIP\_SP\_2018\_22109\_37740.jpg



Evidence of discharge from PVC on WS toe.

<b>* Location</b> LS : Land Side    N/A : Not Applicable WS : Water Side CR : Crown		<b>** Rating</b> A : Acceptable M : Minimally Acceptable U : Unacceptable N : Not Inspected/Rated C : Corrected A/W : Acceptable but Monitor & Maintain		<b>+ Issue Type</b> Ma : Maintenance Deficiency Ob : Design & System Obsolescence En : Enforcement
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**Flood Control Project Maintenance  
Levee Inspections**

**Levee Inspection Report By Mile - Spring 2018**

**Reclamation District No. 2064 River Junction**

Waterway	Bank	Unit Miles	Inspection Start/End	Inspector
Unit No. 02 Stanislaus River	Right	6.08	04/11/2018 04/11/2018	Keith Millard

LM Start	4.92	Rating **	A/W	Issue No.	36
LM End	4.92	Issue Type +	Ma	Location *	
Category	Supplemental			GPS Latitude/Longitude	
				Start	End
Item	DWR UCIP LMA Responsibility			37.696146 °	37.696146 °
				-121.194093 °	-121.194093 °
DWR ID					
Comment Code					
Inspector Comment					
FS_ID:19143 DS_ID:20553 EP_NO: N/A Repair Type: No Action Needed Crossing Status: Found UCIP Comments: FIELD_STRUCT_DESC: 30-inch corrugated metal drainage pipe through the levee, 8 feet below the crown. Concrete U-shaped headwalls on both ends. Flap gate on the waterside (WS) end. Two corrugated metal cutoff walls. Grouted spillway on the WS. [Additional Reference(s): DWR Levee Log, 2005. USACE San Joaquin O&M Manual 3, December 1968, (HLM 4.88)]. FS Date: 8/28/2013					

Photo 1 of 3 : UCIP\_SP\_2018\_19143\_32122.jpg



Concrete headwall on LS toe.

LM Start	<b>4.92</b>	Rating **	A/W	Issue No.	<b>36 (cont)</b>
LM End	<b>4.92</b>	Issue Type +	Ma	Location *	

Photo 2 of 3 : UCIP\_SP\_2018\_19143\_32121.jpg



Concrete headwall on WS toe.

<b>* Location</b> LS : Land Side    N/A : Not Applicable WS : Water Side CR : Crown	<b>** Rating</b> A : Acceptable M : Minimally Acceptable U : Unacceptable	N : Not Inspected/Rated C : Corrected A/W : Acceptable but Monitor & Maintain	<b>+ Issue Type</b> Ma : Maintenance Deficiency Ob : Design & System Obsolescence En : Enforcement
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**Flood Control Project Maintenance  
Levee Inspections**

**Levee Inspection Report By Mile - Spring 2018**

**Reclamation District No. 2064 River Junction**

Waterway	Bank	Unit Miles	Inspection Start/End	Inspector
Unit No. 02 Stanislaus River	Right	6.08	04/11/2018 04/11/2018	Keith Millard

LM Start	4.92	Rating **	A/W	Issue No.	36 (cont)	
LM End	4.92	Issue Type +	Ma	Location *		
Category	Supplemental			GPS Latitude/Longitude		
				Start	End	
Item	DWR UCIP LMA Responsibility			37.696146 °	37.696146 °	
				-121.194093 °	-121.194093 °	
DWR ID						
Comment Code						
Inspector Comment						
FS_ID:19143						
DS_ID:20553						
EP_NO: N/A						
Repair Type: No Action Needed						
Crossing Status: Found						
UCIP Comments:						
FIELD_STRUCT_DESC: 30-inch corrugated metal drainage pipe through the levee, 8 feet below the crown. Concrete U-shaped headwalls on both ends. Flap gate on the waterside (WS) end. Two corrugated metal cutoff walls. Grouted spillway on the WS. [Additional Reference(s): DWR Levee Log, 2005. USACE San Joaquin O&M Manual 3, December 1968, (HLM 4.88)].						
FS Date: 8/28/2013						

Photo 3 of 3 : UCIP\_SP\_2018\_19143\_32120.jpg



Concrete headwall on LS toe.

LM Start	5.10	Rating **	A/W	Issue No.	37
LM End	5.10	Issue Type +	Ma	Location *	
Category	Supplemental			GPS Latitude/Longitude	
				Start	End
Item	DWR UCIP LMA Responsibility			37.697483 °	37.697483 °
				-121.191332 °	-121.191332 °
DWR ID					
Comment Code					
Inspector Comment					
FS_ID:22794 DS_ID:20554 EP_NO: N/A Repair Type: No Action Needed Crossing Status: Found UCIP Comments: FIELD_STRUCT_DESC: 30-inch corrugated metal drainage pipe through the levee, 8 feet below the crown. Concrete U-shaped headwalls on both ends. Flap gate on the waterside (WS) end. Two corrugated metal cutoff walls. Grouted spillway on the WS. [Additional Reference(s): DWR Levee Log, 2005. USACE San Joaquin O&M Manual 3, December 1968, (HLM 5.05)]. FS Date: 8/28/2013					

Photo 1 of 3 : UCIP\_SP\_2018\_22794\_38851.jpg



Concrete U shaped headwall on WS toe.

<b>* Location</b> LS : Land Side    N/A : Not Applicable WS : Water Side CR : Crown		<b>** Rating</b> A : Acceptable                      N : Not Inspected/Rated M : Minimally Acceptable        C : Corrected U : Unacceptable                  A/W : Acceptable but Monitor & Maintain		<b>+ Issue Type</b> Ma : Maintenance Deficiency Ob : Design & System Obsolescence En : Enforcement
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**Flood Control Project Maintenance  
Levee Inspections**

**Levee Inspection Report By Mile - Spring 2018**

**Reclamation District No. 2064 River Junction**

Waterway	Bank	Unit Miles	Inspection Start/End	Inspector
Unit No. 02 Stanislaus River	Right	6.08	04/11/2018 04/11/2018	Keith Millard

LM Start	5.10	Rating **	A/W	Issue No.	37 (cont)	
LM End	5.10	Issue Type +	Ma	Location *		
Category	Supplemental			GPS Latitude/Longitude		
				Start	End	
Item	DWR UCIP LMA Responsibility			37.697483 °	37.697483 °	
				-121.191332 °	-121.191332 °	
DWR ID						
Comment Code						
Inspector Comment						
FS_ID:22794 DS_ID:20554 EP_NO: N/A Repair Type: No Action Needed Crossing Status: Found UCIP Comments: FIELD_STRUCT_DESC: 30-inch corrugated metal drainage pipe through the levee, 8 feet below the crown. Concrete U-shaped headwalls on both ends. Flap gate on the waterside (WS) end. Two corrugated metal cutoff walls. Grouted spillway on the WS. [Additional Reference(s): DWR Levee Log, 2005. USACE San Joaquin O&M Manual 3, December 1968, (HLM 5.05)]. FS Date: 8/28/2013						

Photo 2 of 3 : UCIP\_SP\_2018\_22794\_38850.jpg



Concrete headwall on LS toe.

LM Start	<b>5.10</b>	Rating **	A/W	Issue No.	<b>37 (cont)</b>
LM End	<b>5.10</b>	Issue Type +	Ma	Location *	

Photo 3 of 3 : UCIP\_SP\_2018\_22794\_38853.jpg



Concrete headwall on LS toe.

<b>* Location</b> LS : Land Side    N/A : Not Applicable WS : Water Side CR : Crown	<b>** Rating</b> A : Acceptable M : Minimally Acceptable U : Unacceptable	N : Not Inspected/Rated C : Corrected A/W : Acceptable but Monitor & Maintain	<b>+ Issue Type</b> Ma : Maintenance Deficiency Ob : Design & System Obsolescence En : Enforcement
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**Flood Control Project Maintenance  
Levee Inspections**

**Levee Inspection Report By Mile - Spring 2018**

**Reclamation District No. 2064 River Junction**

Waterway	Bank	Unit Miles	Inspection Start/End	Inspector
Unit No. 02 Stanislaus River	Right	6.08	04/11/2018 04/11/2018	Keith Millard

LM Start	5.46	Rating **	M	Issue No.	38
LM End	5.46	Issue Type +	En	Location *	
Category	Supplemental			GPS Latitude/Longitude	
				Start	End
Item	DWR UCIP Field Study			37.699557 °	37.699557 °
				-121.185385 °	-121.185385 °
DWR ID					
Comment Code					
Inspector Comment					
FS_ID:22795					
DS_ID:24067					
EP_NO: N/A					
Repair Type: Non-Urgent					
Crossing Status: Found					
UCIP Comments: No permit identified for this crossing. No photos available.					
FIELD_STRUCT_DESC: 10-inch steel irrigation pipe through the levee, 0.75 feet below the crown. Butterfly valve and vent on the landside (LS) shoulder. Vent on the waterside (WS) shoulder.					
FS Date: 8/28/2013					

No Photos

LM Start	5.54	Rating **	M	Issue No.	39	
LM End	5.54	Issue Type +	En	Location *		
Category	Supplemental			GPS Latitude/Longitude		
				Start		End
Item	DWR UCIP Field Study			37.699848 °	37.699848 °	
				-121.184135 °	-121.184135 °	
DWR ID						
Comment Code						
Inspector Comment						
FS_ID:19145 DS_ID:20555 EP_NO: N/A Repair Type: Non-Urgent Crossing Status: Found UCIP Comments: Appears abandoned and if so should be done so appropriately. FIELD_STRUCT_DESC: *ABANDONED* 30-inch corrugated metal irrigation pipe through the levee, 10 feet below the crown. Slide gate in a 36-inch corrugated metal pipe (CMP) riser on the waterside (WS) slope. Two corrugated metal cutoff walls. [Additional Reference(s): DWR Levee Log, 2005. USACE San Joaquin O&M Manual 3, December 1968, (HLM 5.48)]. FS Date: 8/28/2013						

Photo 1 of 2 : UCIP\_SP\_2018\_19145\_32126.jpg



Slide gate in CMP riser on WS slope

<b>* Location</b> LS : Land Side    N/A : Not Applicable WS : Water Side CR : Crown		<b>** Rating</b> A : Acceptable                      N : Not Inspected/Rated M : Minimally Acceptable        C : Corrected U : Unacceptable                  A/W : Acceptable but Monitor & Maintain		<b>+ Issue Type</b> Ma : Maintenance Deficiency Ob : Design & System Obsolescence En : Enforcement
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## Levee Inspection Report By Mile - Spring 2018

Waterway	Bank	Unit Miles	Inspection Start/End	Inspector
Unit No. 02 Stanislaus River	Right	6.08	04/11/2018 04/11/2018	Keith Millard

Photo 2 of 2 : UCIP\_SP\_2018\_19145\_32125.jpg



Pipe in CMP riser on WS slope.

Photo 1 of 1 : UCIP\_SP\_2018\_19146\_32127.jpg



CMP riser for slide gate filled with soil.

* Location	** Rating	+ Issue Type
LS : Land Side    N/A : Not Applicable WS : Water Side CR : Crown	A : Acceptable                      N : Not Inspected/Rated M : Minimally Acceptable        C : Corrected U : Unacceptable                  A/W : Acceptable but Monitor & Maintain	Ma : Maintenance Deficiency Ob : Design & System Obsolescence En : Enforcement